

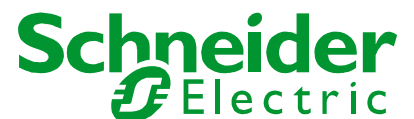
# MiCOM C434

Bay Unit for Control and  
Monitoring

## Address Assignment List

This document does not replace the Technical Manual

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**Index:** A  
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## Logical Device: Control

## 1 Address Assignment List

## 1.1 Logical Device: Control

| Logical Node | Data Object | CDC   | Data Attr. | Address                      | Description                  |
|--------------|-------------|-------|------------|------------------------------|------------------------------|
| LLN0         | Mod         | INC   | stVal      | 005.027                      | IEC : Mode                   |
|              |             |       | ctlModel   | -                            |                              |
|              | Health      | INS   | stVal      | -                            |                              |
|              | NamPlt      | LPL   | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |       | swRev      | 002.120                      | DVICE : Software version     |
|              |             |       | configRev  | -                            |                              |
|              | Beh         | INS   | stVal      | 005.028                      | IEC : Behavior               |
|              | Loc         | SPS   | stVal      | -                            |                              |
|              | Lock        | SPS   | stVal      | -                            |                              |
|              | OrdRun      | SPS   | stVal      | -                            |                              |
| CILO1        | Mod         | INC   | stVal      | 210.047                      | DEV01 : Function group DEV01 |
|              |             |       | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | Beh         | INS   | stVal      | -                            |                              |
|              | Health      | INS   | stVal      | -                            |                              |
|              | NamPlt      | LPL   | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |       | swRev      | 002.120                      | DVICE : Software version     |
|              | EnaOpn      | SPS   | stVal      | -                            |                              |
|              | EnaCls      | SPS   | stVal      | -                            |                              |
| LnCfg        | SPS         | stVal | 210.047    | DEV01 : Function group DEV01 |                              |
| CILO2        | Mod         | INC   | stVal      | 210.097                      | DEV02 : Function group DEV02 |
|              |             |       | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | Beh         | INS   | stVal      | -                            |                              |
|              | Health      | INS   | stVal      | -                            |                              |
|              | NamPlt      | LPL   | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |       | swRev      | 002.120                      | DVICE : Software version     |
|              | EnaOpn      | SPS   | stVal      | -                            |                              |
|              | EnaCls      | SPS   | stVal      | -                            |                              |
| LnCfg        | SPS         | stVal | 210.097    | DEV02 : Function group DEV02 |                              |
| CILO3        | Mod         | INC   | stVal      | 210.147                      | DEV03 : Function group DEV03 |
|              |             |       | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | Beh         | INS   | stVal      | -                            |                              |
|              | Health      | INS   | stVal      | -                            |                              |
|              | NamPlt      | LPL   | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |       | swRev      | 002.120                      | DVICE : Software version     |
|              | EnaOpn      | SPS   | stVal      | -                            |                              |
|              | EnaCls      | SPS   | stVal      | -                            |                              |
| LnCfg        | SPS         | stVal | 210.147    | DEV03 : Function group DEV03 |                              |
| CILO4        | Mod         | INC   | stVal      | 210.197                      | DEV04 : Function group DEV04 |
|              |             |       | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | Beh         | INS   | stVal      | -                            |                              |
|              | Health      | INS   | stVal      | -                            |                              |
|              | NamPlt      | LPL   | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |       | swRev      | 002.120                      | DVICE : Software version     |
|              | EnaOpn      | SPS   | stVal      | -                            |                              |
|              | EnaCls      | SPS   | stVal      | -                            |                              |
| LnCfg        | SPS         | stVal | 210.197    | DEV04 : Function group DEV04 |                              |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description                  |
|--------------|-------------|-----|------------|---------|------------------------------|
| CILO5        | Mod         | INC | stVal      | 210.247 | DEV05 : Function group DEV05 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 210.247 | DEV05 : Function group DEV05 |
| CILO6        | Mod         | INC | stVal      | 211.047 | DEV06 : Function group DEV06 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 211.047 | DEV06 : Function group DEV06 |
| CILO7        | Mod         | INC | stVal      | 211.097 | DEV07 : Function group DEV07 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 211.097 | DEV07 : Function group DEV07 |
| CILO8        | Mod         | INC | stVal      | 211.147 | DEV08 : Function group DEV08 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 211.147 | DEV08 : Function group DEV08 |
| CILO9        | Mod         | INC | stVal      | 211.197 | DEV09 : Function group DEV09 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 211.197 | DEV09 : Function group DEV09 |
| CILO10       | Mod         | INC | stVal      | 211.247 | DEV10 : Function group DEV10 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |

## Logical Device: Control

| Logical Node | Data Object | CDC | Data Attr. | Address | Description                  |
|--------------|-------------|-----|------------|---------|------------------------------|
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 211.247 | DEV10 : Function group DEV10 |
| CIL011       | Mod         | INC | stVal      | 212.047 | DEV11 : Function group DEV11 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 212.047 | DEV11 : Function group DEV11 |
| CIL012       | Mod         | INC | stVal      | 212.097 | DEV12 : Function group DEV12 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 212.097 | DEV12 : Function group DEV12 |
| CIL013       | Mod         | INC | stVal      | 212.147 | DEV13 : Function group DEV13 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 212.147 | DEV13 : Function group DEV13 |
| CIL014       | Mod         | INC | stVal      | 212.197 | DEV14 : Function group DEV14 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 212.197 | DEV14 : Function group DEV14 |
| CIL015       | Mod         | INC | stVal      | 212.247 | DEV15 : Function group DEV15 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 212.247 | DEV15 : Function group DEV15 |
| CIL016       | Mod         | INC | stVal      | 213.047 | DEV16 : Function group DEV16 |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description                  |
|--------------|-------------|-----|------------|---------|------------------------------|
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 213.047 | DEV16 : Function group DEV16 |
| CILO17       | Mod         | INC | stVal      | 213.097 | DEV17 : Function group DEV17 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 213.097 | DEV17 : Function group DEV17 |
| CILO18       | Mod         | INC | stVal      | 213.147 | DEV18 : Function group DEV18 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 213.147 | DEV18 : Function group DEV18 |
| CILO19       | Mod         | INC | stVal      | 213.197 | DEV19 : Function group DEV19 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 213.197 | DEV19 : Function group DEV19 |
| CILO20       | Mod         | INC | stVal      | 213.247 | DEV20 : Function group DEV20 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS | stVal      | -       |                              |
|              | EnaCls      | SPS | stVal      | -       |                              |
|              | LnCfg       | SPS | stVal      | 213.247 | DEV20 : Function group DEV20 |
| CILO21       | Mod         | INC | stVal      | 214.047 | DEV21 : Function group DEV21 |
|              |             |     | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS | stVal      | -       |                              |
|              | Health      | INS | stVal      | -       |                              |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |     | swRev      | 002.120 | DVICE : Software version     |

## Logical Device: Control

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description                  |
|--------------|-------------|------|------------|---------|------------------------------|
|              | EnaOpn      | SPS  | stVal      | -       |                              |
|              | EnaCls      | SPS  | stVal      | -       |                              |
|              | LnCfg       | SPS  | stVal      | 214.047 | DEV21 : Function group DEV21 |
| CILO22       | Mod         | INC  | stVal      | 214.097 | DEV22 : Function group DEV22 |
|              |             |      | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS  | stVal      | -       |                              |
|              | Health      | INS  | stVal      | -       |                              |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS  | stVal      | -       |                              |
|              | EnaCls      | SPS  | stVal      | -       |                              |
|              | LnCfg       | SPS  | stVal      | 214.097 | DEV22 : Function group DEV22 |
| CILO23       | Mod         | INC  | stVal      | 214.147 | DEV23 : Function group DEV23 |
|              |             |      | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS  | stVal      | -       |                              |
|              | Health      | INS  | stVal      | -       |                              |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS  | stVal      | -       |                              |
|              | EnaCls      | SPS  | stVal      | -       |                              |
|              | LnCfg       | SPS  | stVal      | 214.147 | DEV23 : Function group DEV23 |
| CILO24       | Mod         | INC  | stVal      | 214.197 | DEV24 : Function group DEV24 |
|              |             |      | ctlModel   | 221.081 | IEC : DEV control model      |
|              | Beh         | INS  | stVal      | -       |                              |
|              | Health      | INS  | stVal      | -       |                              |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | EnaOpn      | SPS  | stVal      | -       |                              |
|              | EnaCls      | SPS  | stVal      | -       |                              |
|              | LnCfg       | SPS  | stVal      | 214.197 | DEV24 : Function group DEV24 |
| CSWI1        | Mod         | INC  | stVal      | 210.047 | DEV01 : Function group DEV01 |
|              |             |      | ctlModel   | -       |                              |
|              | Beh         | INS  | stVal      | -       |                              |
|              | Health      | INS  | stVal      | -       |                              |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS  | stVal      | -       |                              |
|              | Pos         | DPC  | stVal      | 210.018 | DEV01 : Control state        |
|              |             |      | stSeld     | -       |                              |
|              |             |      | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |      | origin     | -       |                              |
|              |             |      | ctlNum     | -       |                              |
|              |             |      | T          | -       |                              |
|              |             |      | Test       | -       |                              |
|              |             |      | Check      | -       |                              |
|              | PosSBOW     | SBOW | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |      | origin     | -       |                              |
|              |             |      | ctlNum     | -       |                              |
|              |             |      | T          | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 210.047 | DEV01 : Function group DEV01 |
| CSWI2        | Mod         | INC    | stVal      | 210.097 | DEV02 : Function group DEV02 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 210.068 | DEV02 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.078 | DEV02 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 210.078 | DEV02 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 210.097 | DEV02 : Function group DEV02 |
| CSWI3        | Mod         | INC    | stVal      | 210.147 | DEV03 : Function group DEV03 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 210.118 | DEV03 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.128 | DEV03 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |



## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 210.128 | DEV03 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 210.147 | DEV03 : Function group DEV03 |
| CSWI4        | Mod         | INC    | stVal      | 210.197 | DEV04 : Function group DEV04 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 210.168 | DEV04 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.178 | DEV04 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 210.178 | DEV04 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 210.197 | DEV04 : Function group DEV04 |
| CSWI5        | Mod         | INC    | stVal      | 210.247 | DEV05 : Function group DEV05 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 210.218 | DEV05 : Control state        |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.228 | DEV05 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 210.228 | DEV05 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 210.247 | DEV05 : Function group DEV05 |
| CSWI6        | Mod         | INC    | stVal      | 211.047 | DEV06 : Function group DEV06 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 211.018 | DEV06 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.028 | DEV06 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 211.028 | DEV06 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 211.047 | DEV06 : Function group DEV06 |
| CSWI7        | Mod         | INC    | stVal      | 211.097 | DEV07 : Function group DEV07 |
|              |             |        | ctlModel   | -       |                              |

Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 211.068 | DEV07 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.078 | DEV07 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 211.078 | DEV07 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 211.097 | DEV07 : Function group DEV07 |
| CSWI8        | Mod         | INC    | stVal      | 211.147 | DEV08 : Function group DEV08 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 211.118 | DEV08 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.128 | DEV08 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 211.128 | DEV08 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 211.147 | DEV08 : Function group DEV08 |
| CSWI9        | Mod         | INC    | stVal      | 211.197 | DEV09 : Function group DEV09 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 211.168 | DEV09 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.178 | DEV09 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 211.178 | DEV09 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 211.197 | DEV09 : Function group DEV09 |
| CSWI10       | Mod         | INC    | stVal      | 211.247 | DEV10 : Function group DEV10 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 211.218 | DEV10 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.228 | DEV10 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 211.228 | DEV10 : Open command         |
|              |             |        | origin     | -       |                              |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 211.247 | DEV10 : Function group DEV10 |
| CSWI11       | Mod         | INC    | stVal      | 212.047 | DEV11 : Function group DEV11 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 212.018 | DEV11 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.028 | DEV11 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 211.228 | DEV10 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 212.047 | DEV11 : Function group DEV11 |
| CSWI12       | Mod         | INC    | stVal      | 212.097 | DEV12 : Function group DEV12 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 212.068 | DEV12 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.078 | DEV12 : Open command         |
|              |             |        | origin     | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 212.097 | DEV12 : Function group DEV12 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 212.097 | DEV12 : Function group DEV12 |
| CSWI13       | Mod         | INC    | stVal      | 212.147 | DEV13 : Function group DEV13 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 212.118 | DEV13 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.128 | DEV13 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 212.147 | DEV13 : Function group DEV13 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 212.147 | DEV13 : Function group DEV13 |
| CSWI14       | Mod         | INC    | stVal      | 212.197 | DEV14 : Function group DEV14 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 212.168 | DEV14 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.178 | DEV14 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 212.197 | DEV14 : Function group DEV14 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 212.197 | DEV14 : Function group DEV14 |
| CSWI15       | Mod         | INC    | stVal      | 212.247 | DEV15 : Function group DEV15 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 212.218 | DEV15 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.228 | DEV15 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 212.247 | DEV15 : Function group DEV15 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 212.247 | DEV15 : Function group DEV15 |

| Logical Node | Data Object | CDC    | Data Attr. | Address                      | Description                  |
|--------------|-------------|--------|------------|------------------------------|------------------------------|
| CSWI16       | Mod         | INC    | stVal      | 213.047                      | DEV16 : Function group DEV16 |
|              |             |        | ctlModel   | -                            |                              |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | Pos         | DPC    | stVal      | 213.018                      | DEV16 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.028                      | DEV16 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosSBow     | SBOW   | ctlVal     | 213.047                      | DEV16 : Function group DEV16 |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             | Test   | -          |                              |                              |
|              |             | Check  | -          |                              |                              |
| PosCancel    | CANCEL      | ctlVal | -          |                              |                              |
|              |             | origin | -          |                              |                              |
|              |             | ctlNum | -          |                              |                              |
|              |             | T      | -          |                              |                              |
|              |             | Test   | -          |                              |                              |
| LnCfg        | SPS         | stVal  | 213.047    | DEV16 : Function group DEV16 |                              |
| CSWI17       | Mod         | INC    | stVal      | 213.097                      | DEV17 : Function group DEV17 |
|              |             |        | ctlModel   | -                            |                              |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | Pos         | DPC    | stVal      | 213.068                      | DEV17 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.078                      | DEV17 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosSBow     | SBOW   | ctlVal     | 213.097                      | DEV17 : Function group DEV17 |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             | Test   | -          |                              |                              |
|              |             | Check  | -          |                              |                              |



## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 213.097 | DEV17 : Function group DEV17 |
| CSWI18       | Mod         | INC    | stVal      | 213.147 | DEV18 : Function group DEV18 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 213.118 | DEV18 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.128 | DEV18 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 213.147 | DEV18 : Function group DEV18 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 213.147 | DEV18 : Function group DEV18 |
| CSWI19       | Mod         | INC    | stVal      | 213.197 | DEV19 : Function group DEV19 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 213.168 | DEV19 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.178 | DEV19 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | PosSBOW     | SBOW   | ctlVal     | 213.197 | DEV19 : Function group DEV19 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 213.197 | DEV19 : Function group DEV19 |
| CSWI20       | Mod         | INC    | stVal      | 213.247 | DEV20 : Function group DEV20 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 213.218 | DEV20 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.228 | DEV20 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 213.247 | DEV20 : Function group DEV20 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 213.247 | DEV20 : Function group DEV20 |
| CSWI21       | Mod         | INC    | stVal      | 214.047 | DEV21 : Function group DEV21 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 214.018 | DEV21 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | PosOper     | OPER   | ctlVal     | 214.028 | DEV21 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.047 | DEV21 : Function group DEV21 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 214.047 | DEV21 : Function group DEV21 |
| CSWI22       | Mod         | INC    | stVal      | 214.097 | DEV22 : Function group DEV22 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 214.068 | DEV22 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.078 | DEV22 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.097 | DEV22 : Function group DEV22 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 214.097 | DEV22 : Function group DEV22 |
| CSWI23       | Mod         | INC    | stVal      | 214.147 | DEV23 : Function group DEV23 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 214.118 | DEV23 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.128 | DEV23 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.147 | DEV23 : Function group DEV23 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 214.147 | DEV23 : Function group DEV23 |
| CSWI24       | Mod         | INC    | stVal      | 214.197 | DEV24 : Function group DEV24 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | Pos         | DPC    | stVal      | 214.118 | DEV23 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.128 | DEV23 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.197 | DEV24 : Function group DEV24 |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | Test       | -       |                              |
|              | LnCfg       | SPS    | stVal      | 214.197 | DEV24 : Function group DEV24 |
| LPHD1        | PhyHealth   | INS    | stVal      | 005.029 | IEC : Healthy                |
|              | PhyNam      | DPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | hwRev      | -       |                              |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              |             |        | serNum     | 002.124 | DVICE : F number             |
|              | Proxy       | INS    | stVal      | -       |                              |
| RSYN1        | Mod         | INC    | stVal      | 000.222 | IEC : RSYN.Mod               |
|              | ModOper     | OPER   | ctlVal     | 018.000 | ASC : General enable USER    |
|              | Beh         | INS    | stVal      | 000.223 | IEC : RSYN.Beh               |
|              | Health      | INS    | stVal      | 000.131 | IEC : PTOV.HEALTH            |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | DifVClc     | MV     | mag        | 004.091 | ASC : Voltage difference     |
|              | DifHzClc    | MV     | mag        | 004.090 | ASC : Frequ. difference      |
|              | DifAngClc   | MV     | mag        | 004.089 | ASC : Angle difference       |
|              | MeasRefV    | MV     | mag        | 004.087 | ASC : Voltage Vref           |
|              | MeasLoopV   | MV     | mag        | 004.088 | ASC : Volt., sel.meas.loop   |
|              | Rel         | SPS    | stVal      | 037.083 | ASC : Close enable           |
|              | ClRej       | SPS    | stVal      | 037.086 | ASC : Close rejection        |
| XCBR1        | Mod         | INC    | stVal      | 210.047 | DEV01 : Function group DEV01 |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 210.043 | DEV01 : Operation counter    |
|              | Pos         | DPC    | stVal      | 210.018 | DEV01 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |

| Logical Node | Data Object | CDC      | Data Attr. | Address                 | Description                  |
|--------------|-------------|----------|------------|-------------------------|------------------------------|
|              | CBOpCap     | INS      | stVal      | 221.087                 | MAIN : CB1 act. oper. cap.   |
|              | MaxOpCap    | INS      | stVal      | 221.084                 | MAIN : CB1 max. oper. cap.   |
| XCBR2        | Mod         | INC      | stVal      | 210.097                 | DEV02 : Function group DEV02 |
|              | Beh         | INS      | stVal      | -                       |                              |
|              | Health      | INS      | stVal      | -                       |                              |
|              | NamPlt      | LPL      | vendor     | 003.183                 | PC : Name of manufacturer    |
|              |             |          | swRev      | 002.120                 | DVICE : Software version     |
|              | Loc         | SPS      | stVal      | -                       |                              |
|              | OpCnt       | INS      | stVal      | 210.097                 | DEV02 : Function group DEV02 |
|              | Pos         | DPC      | stVal      | 210.068                 | DEV02 : Control state        |
|              |             |          | stSeld     | -                       |                              |
|              |             |          | ctlModel   | 221.081                 | IEC : DEV control model      |
|              | PosOper     | OPER     | ctlVal     | 210.078                 | DEV02 : Open command         |
|              |             |          | origin     | -                       |                              |
|              |             |          | ctlNum     | -                       |                              |
|              |             |          | T          | -                       |                              |
|              |             |          | Test       | -                       |                              |
|              |             |          | Check      | -                       |                              |
|              | PosSBOW     | SBOW     | ctlVal     | 210.078                 | DEV02 : Open command         |
|              |             |          | origin     | -                       |                              |
|              |             |          | ctlNum     | -                       |                              |
|              |             |          | T          | -                       |                              |
|              |             |          | Test       | -                       |                              |
|              |             |          | Check      | -                       |                              |
|              | PosCancel   | CANCEL   | ctlVal     | -                       |                              |
|              |             |          | origin     | -                       |                              |
|              |             |          | ctlNum     | -                       |                              |
|              |             |          | T          | -                       |                              |
|              |             |          | Test       | -                       |                              |
|              | BlkOpn      | SPC      | stVal      | -                       |                              |
|              | BlkCls      | SPC      | stVal      | -                       |                              |
|              | CBOpCap     | INS      | stVal      | 221.091                 | MAIN : CB2 act. oper. cap.   |
|              | MaxOpCap    | INS      | stVal      | 221.088                 | MAIN : CB2 max. oper. cap.   |
| XSWI1        | Mod         | INC      | stVal      | 210.047                 | DEV01 : Function group DEV01 |
|              |             |          | ctlModel   | -                       |                              |
|              | Beh         | INS      | stVal      | -                       |                              |
|              | Health      | INS      | stVal      | -                       |                              |
|              | NamPlt      | LPL      | vendor     | 003.183                 | PC : Name of manufacturer    |
|              |             |          | swRev      | 002.120                 | DVICE : Software version     |
|              | Loc         | SPS      | stVal      | -                       |                              |
|              | OpCnt       | INS      | stVal      | 210.043                 | DEV01 : Operation counter    |
|              | Pos         | DPC      | stVal      | 210.018                 | DEV01 : Control state        |
|              |             |          | stSeld     | -                       |                              |
|              |             | ctlModel | 221.081    | IEC : DEV control model |                              |
|              | PosOper     | OPER     | ctlVal     | 210.028                 | DEV01 : Open command         |
|              |             |          | origin     | -                       |                              |
|              |             |          | ctlNum     | -                       |                              |
|              |             |          | T          | -                       |                              |
|              |             |          | Test       | -                       |                              |
|              |             |          | Check      | -                       |                              |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | PosSBOW     | SBOW   | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 210.001 | DEV01 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | -       |                              |
|              | MaxOpCap    | INS    | stVal      | 210.027 | DEV01 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 210.047 | DEV01 : Function group DEV01 |
| XSWI2        | Mod         | INC    | stVal      | 210.097 | DEV02 : Function group DEV02 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 210.093 | DEV02 : Operation counter    |
|              | Pos         | DPC    | stVal      | 210.068 | DEV02 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 210.028 | DEV01 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 210.051 | DEV02 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 210.053 | DEV02 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | LnCfg       | SPS    | stVal      | 210.097 | DEV02 : Function group DEV02 |
| XSWI3        | Mod         | INC    | stVal      | 210.147 | DEV03 : Function group DEV03 |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 210.143 | DEV03 : Operation counter    |
|              | Pos         | DPC    | stVal      | 210.118 | DEV03 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.128 | DEV03 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 210.128 | DEV03 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 210.101 | DEV03 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 210.103 | DEV03 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 210.147 | DEV03 : Function group DEV03 |
| XSWI4        | Mod         | INC    | stVal      | 210.197 | DEV04 : Function group DEV04 |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 210.193 | DEV04 : Operation counter    |
|              | Pos         | DPC    | stVal      | 210.168 | DEV04 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.178 | DEV04 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |



## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | PosSBOW     | SBOW   | ctlVal     | 210.178 | DEV04 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 210.151 | DEV04 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 210.153 | DEV04 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 210.197 | DEV04 : Function group DEV04 |
| XSWI5        | Mod         | INC    | stVal      | 210.247 | DEV05 : Function group DEV05 |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 210.243 | DEV05 : Operation counter    |
|              | Pos         | DPC    | stVal      | 210.218 | DEV05 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 210.228 | DEV05 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 210.228 | DEV05 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 210.201 | DEV05 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 210.203 | DEV05 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 210.247 | DEV05 : Function group DEV05 |

| Logical Node | Data Object | CDC    | Data Attr. | Address                      | Description                  |
|--------------|-------------|--------|------------|------------------------------|------------------------------|
| XSWI6        | Mod         | INC    | stVal      | 211.047                      | DEV06 : Function group DEV06 |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | OpCnt       | INS    | stVal      | 211.043                      | DEV06 : Operation counter    |
|              | Pos         | DPC    | stVal      | 211.018                      | DEV06 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.028                      | DEV06 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 211.028                      | DEV06 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosCancel   | CANCEL | ctlVal     | -                            |                              |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
| BlkOpn       | SPC         | stVal  | -          |                              |                              |
| BlkCls       | SPC         | stVal  | -          |                              |                              |
| SwTyp        | INS         | stVal  | 211.001    | DEV06 : Type of ext. device  |                              |
| SwOpCap      | INS         | stVal  | 211.003    | DEV06 : Dev. op. capability  |                              |
| MaxOpCap     | INS         | stVal  | 221.027    | MAIN : Perm.No.mot.drive op  |                              |
| LnCfg        | SPS         | stVal  | 211.047    | DEV06 : Function group DEV06 |                              |
| XSWI7        | Mod         | INC    | stVal      | 211.097                      | DEV07 : Function group DEV07 |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | OpCnt       | INS    | stVal      | 211.093                      | DEV07 : Operation counter    |
|              | Pos         | DPC    | stVal      | 211.068                      | DEV07 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.078                      | DEV07 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             | Test   | -          |                              |                              |
|              |             | Check  | -          |                              |                              |
| PosSBOW      | SBOW        | ctlVal | 211.078    | DEV07 : Open command         |                              |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 211.051 | DEV07 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 211.051 | DEV07 : Type of ext. device  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 211.097 | DEV07 : Function group DEV07 |
| XSWI8        | Mod         | INC    | stVal      | 211.147 | DEV08 : Function group DEV08 |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 211.143 | DEV08 : Operation counter    |
|              | Pos         | DPC    | stVal      | 211.118 | DEV08 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.128 | DEV08 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 211.128 | DEV08 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 211.101 | DEV08 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 211.103 | DEV08 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 211.147 | DEV08 : Function group DEV08 |
| XSWI9        | Mod         | INC    | stVal      | 211.197 | DEV09 : Function group DEV09 |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 211.193 | DEV09 : Operation counter    |
|              | Pos         | DPC    | stVal      | 211.168 | DEV09 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.178 | DEV09 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 211.178 | DEV09 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 211.151 | DEV09 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 211.153 | DEV09 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 211.197 | DEV09 : Function group DEV09 |
| XSWI10       | Mod         | INC    | stVal      | 211.247 | DEV10 : Function group DEV10 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 211.243 | DEV10 : Operation counter    |
|              | Pos         | DPC    | stVal      | 211.218 | DEV10 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 211.228 | DEV10 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 211.228 | DEV10 : Open command         |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 211.201 | DEV10 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 211.203 | DEV10 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 221.027 | MAIN : Perm.No.mot.drive op  |
|              | LnCfg       | SPS    | stVal      | 211.247 | DEV10 : Function group DEV10 |
| XSWI11       | Mod         | INC    | stVal      | 212.047 | DEV11 : Function group DEV11 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 212.043 | DEV11 : Operation counter    |
|              | Pos         | DPC    | stVal      | 212.018 | DEV11 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.028 | DEV11 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 212.028 | DEV11 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 212.001 | DEV11 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 212.003 | DEV11 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 212.027 | DEV11 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 212.047 | DEV11 : Function group DEV11 |

| Logical Node | Data Object | CDC    | Data Attr. | Address                      | Description                  |
|--------------|-------------|--------|------------|------------------------------|------------------------------|
| XSWI12       | Mod         | INC    | stVal      | 212.097                      | DEV12 : Function group DEV12 |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | OpCnt       | INS    | stVal      | 212.093                      | DEV12 : Operation counter    |
|              | Pos         | DPC    | stVal      | 212.068                      | DEV12 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.078                      | DEV12 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 212.078                      | DEV12 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosCancel   | CANCEL | ctlVal     | -                            |                              |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
| BlkOpn       | SPC         | stVal  | -          |                              |                              |
| BlkCls       | SPC         | stVal  | -          |                              |                              |
| SwTyp        | INS         | stVal  | 212.051    | DEV12 : Type of ext. device  |                              |
| SwOpCap      | INS         | stVal  | 212.053    | DEV12 : Dev. op. capability  |                              |
| MaxOpCap     | INS         | stVal  | 212.077    | DEV12 : Stat.ind.interm.pos. |                              |
| LnCfg        | SPS         | stVal  | 212.097    | DEV12 : Function group DEV12 |                              |
| XSWI13       | Mod         | INC    | stVal      | 212.147                      | DEV13 : Function group DEV13 |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | OpCnt       | INS    | stVal      | 212.143                      | DEV13 : Operation counter    |
|              | Pos         | DPC    | stVal      | 212.118                      | DEV13 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.128                      | DEV13 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             | Test   | -          |                              |                              |
|              |             | Check  | -          |                              |                              |
| PosSBOW      | SBOW        | ctlVal | 212.128    | DEV13 : Open command         |                              |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 212.101 | DEV13 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 212.103 | DEV13 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 212.127 | DEV13 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 212.147 | DEV13 : Function group DEV13 |
| XSWI14       | Mod         | INC    | stVal      | 212.197 | DEV14 : Function group DEV14 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 212.193 | DEV14 : Operation counter    |
|              | Pos         | DPC    | stVal      | 212.168 | DEV14 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.178 | DEV14 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 212.178 | DEV14 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 212.151 | DEV14 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 212.153 | DEV14 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 212.177 | DEV14 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 212.197 | DEV14 : Function group DEV14 |

| Logical Node | Data Object | CDC    | Data Attr. | Address                      | Description                  |
|--------------|-------------|--------|------------|------------------------------|------------------------------|
| XSWI15       | Mod         | INC    | stVal      | 212.247                      | DEV15 : Function group DEV15 |
|              |             |        | ctlModel   | -                            |                              |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | OpCnt       | INS    | stVal      | 212.243                      | DEV15 : Operation counter    |
|              | Pos         | DPC    | stVal      | 212.218                      | DEV15 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 212.228                      | DEV15 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosSBow     | SBOW   | ctlVal     | 212.228                      | DEV15 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             |        | Test       | -                            |                              |
|              |             |        | Check      | -                            |                              |
|              | PosCancel   | CANCEL | ctlVal     | -                            |                              |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             |        | T          | -                            |                              |
|              |             | Test   | -          |                              |                              |
| BlkOpn       | SPC         | stVal  | -          |                              |                              |
| BlkCls       | SPC         | stVal  | -          |                              |                              |
| SwTyp        | INS         | stVal  | 212.201    | DEV15 : Type of ext. device  |                              |
| SwOpCap      | INS         | stVal  | 212.203    | DEV15 : Dev. op. capability  |                              |
| MaxOpCap     | INS         | stVal  | 212.227    | DEV15 : Stat.ind.interm.pos. |                              |
| LnCfg        | SPS         | stVal  | 212.247    | DEV15 : Function group DEV15 |                              |
| XSWI16       | Mod         | INC    | stVal      | 213.047                      | DEV16 : Function group DEV16 |
|              |             |        | ctlModel   | -                            |                              |
|              | Beh         | INS    | stVal      | -                            |                              |
|              | Health      | INS    | stVal      | -                            |                              |
|              | NamPlt      | LPL    | vendor     | 003.183                      | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120                      | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -                            |                              |
|              | OpCnt       | INS    | stVal      | 213.043                      | DEV16 : Operation counter    |
|              | Pos         | DPC    | stVal      | 213.018                      | DEV16 : Control state        |
|              |             |        | stSeld     | -                            |                              |
|              |             |        | ctlModel   | 221.081                      | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.028                      | DEV16 : Open command         |
|              |             |        | origin     | -                            |                              |
|              |             |        | ctlNum     | -                            |                              |
|              |             | T      | -          |                              |                              |
|              |             | Test   | -          |                              |                              |



## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 213.028 | DEV16 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 213.001 | DEV16 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 213.003 | DEV16 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 213.027 | DEV16 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 213.047 | DEV16 : Function group DEV16 |
| XSWI17       | Mod         | INC    | stVal      | 213.097 | DEV17 : Function group DEV17 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 213.093 | DEV17 : Operation counter    |
|              | Pos         | DPC    | stVal      | 213.068 | DEV17 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.078 | DEV17 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 213.078 | DEV17 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 213.051 | DEV17 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 213.053 | DEV17 : Dev. op. capability  |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | MaxOpCap    | INS    | stVal      | 213.077 | DEV17 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 213.097 | DEV17 : Function group DEV17 |
| XSWI18       | Mod         | INC    | stVal      | 213.147 | DEV18 : Function group DEV18 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 213.143 | DEV18 : Operation counter    |
|              | Pos         | DPC    | stVal      | 213.118 | DEV18 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.128 | DEV18 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBow     | SBOW   | ctlVal     | 213.128 | DEV18 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 213.101 | DEV18 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 213.103 | DEV18 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 213.127 | DEV18 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 213.147 | DEV18 : Function group DEV18 |
| XSWI19       | Mod         | INC    | stVal      | 213.197 | DEV19 : Function group DEV19 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 213.193 | DEV19 : Operation counter    |
|              | Pos         | DPC    | stVal      | 213.168 | DEV19 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.178 | DEV19 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 213.178 | DEV19 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 213.151 | DEV19 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 213.153 | DEV19 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 213.177 | DEV19 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 213.197 | DEV19 : Function group DEV19 |
| XSWI20       | Mod         | INC    | stVal      | 213.247 | DEV20 : Function group DEV20 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 213.243 | DEV20 : Operation counter    |
|              | Pos         | DPC    | stVal      | 213.218 | DEV20 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 213.228 | DEV20 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 213.228 | DEV20 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | SwTyp       | INS    | stVal      | 213.201 | DEV20 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 213.203 | DEV20 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 213.227 | DEV20 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 213.247 | DEV20 : Function group DEV20 |
| XSWI21       | Mod         | INC    | stVal      | 214.047 | DEV21 : Function group DEV21 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 214.043 | DEV21 : Operation counter    |
|              | Pos         | DPC    | stVal      | 214.018 | DEV21 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.028 | DEV21 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.028 | DEV21 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 214.001 | DEV21 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 214.003 | DEV21 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 214.027 | DEV21 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 214.047 | DEV21 : Function group DEV21 |
| XSWI22       | Mod         | INC    | stVal      | 214.097 | DEV22 : Function group DEV22 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 214.093 | DEV22 : Operation counter    |
|              | Pos         | DPC    | stVal      | 214.068 | DEV22 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.078 | DEV22 : Open command         |

## Logical Device: Control

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.078 | DEV22 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 214.051 | DEV22 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 214.053 | DEV22 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 214.077 | DEV22 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 214.097 | DEV22 : Function group DEV22 |
| XSWI23       | Mod         | INC    | stVal      | 214.147 | DEV23 : Function group DEV23 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 214.143 | DEV23 : Operation counter    |
|              | Pos         | DPC    | stVal      | 214.118 | DEV23 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.128 | DEV23 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.128 | DEV23 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |

| Logical Node | Data Object | CDC    | Data Attr. | Address | Description                  |
|--------------|-------------|--------|------------|---------|------------------------------|
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 214.101 | DEV23 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 214.103 | DEV23 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 214.127 | DEV23 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 214.147 | DEV23 : Function group DEV23 |
| XSWI24       | Mod         | INC    | stVal      | 214.197 | DEV24 : Function group DEV24 |
|              |             |        | ctlModel   | -       |                              |
|              | Beh         | INS    | stVal      | -       |                              |
|              | Health      | INS    | stVal      | -       |                              |
|              | NamPlt      | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |        | swRev      | 002.120 | DVICE : Software version     |
|              | Loc         | SPS    | stVal      | -       |                              |
|              | OpCnt       | INS    | stVal      | 214.193 | DEV24 : Operation counter    |
|              | Pos         | DPC    | stVal      | 214.168 | DEV24 : Control state        |
|              |             |        | stSeld     | -       |                              |
|              |             |        | ctlModel   | 221.081 | IEC : DEV control model      |
|              | PosOper     | OPER   | ctlVal     | 214.178 | DEV24 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosSBOW     | SBOW   | ctlVal     | 214.178 | DEV24 : Open command         |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              |             |        | Check      | -       |                              |
|              | PosCancel   | CANCEL | ctlVal     | -       |                              |
|              |             |        | origin     | -       |                              |
|              |             |        | ctlNum     | -       |                              |
|              |             |        | T          | -       |                              |
|              |             |        | Test       | -       |                              |
|              | BlkOpn      | SPC    | stVal      | -       |                              |
|              | BlkCls      | SPC    | stVal      | -       |                              |
|              | SwTyp       | INS    | stVal      | 214.151 | DEV24 : Type of ext. device  |
|              | SwOpCap     | INS    | stVal      | 214.153 | DEV24 : Dev. op. capability  |
|              | MaxOpCap    | INS    | stVal      | 214.177 | DEV24 : Stat.ind.interm.pos. |
|              | LnCfg       | SPS    | stVal      | 214.197 | DEV24 : Function group DEV24 |

## 1.2 Logical Device: Measurements

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
| LLN0         | Mod         | INC | stVal      | 005.027 | IEC : Mode                |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior            |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |

## Logical Device: Measurements

| Logical Node | Data Object  | CDC    | Data Attr. | Address | Description                  |
|--------------|--------------|--------|------------|---------|------------------------------|
|              |              |        | swRev      | 002.120 | DVICE : Software version     |
| LPHD1        | PhyHealth    | INS    | stVal      | 005.029 | IEC : Healthy                |
|              | PhyNam       | INC    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |              |        | swRev      | 002.120 | DVICE : Software version     |
|              |              |        | serNum     | 002.124 | DVICE : F number             |
| MmuMMTR1     | Mod          | INC    | stVal      | 005.027 | IEC : Mode                   |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior               |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH            |
|              | SupWh        | BCR    | actVal     | 005.062 | MAIN : Act.energyinp.,1prim  |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |              |        | swRev      | 002.120 | DVICE : Software version     |
|              | SupVArh      | BCR    | actVal     | 005.064 | MAIN : React. en.inp.,1prim  |
|              | DmdWh        | BCR    | actVal     | 005.061 | MAIN : Act.energyout.,1prim  |
|              | DmdVArh      | BCR    | actVal     | 005.063 | MAIN : React.en.outp.,1Prim  |
|              | MTRRsOper    | OPER   | ctlVal     | 003.032 | MAIN : Reset meas.v.energy1  |
| MmuMMTR2     | Mod          | INC    | stVal      | 005.027 | IEC : Mode                   |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior               |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH            |
|              | SupWh        | BCR    | actVal     | 101.026 | MAIN : Act.energyinp.,2prim  |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |              |        | swRev      | 002.120 | DVICE : Software version     |
|              | SupVArh      | BCR    | actVal     | 101.028 | MAIN : React. en.inp.,2prim  |
|              | DmdWh        | BCR    | actVal     | 101.025 | MAIN : Act.energyout.,2prim  |
|              | DmdVArh      | BCR    | actVal     | 101.027 | MAIN : React.en.outp.,2prim  |
|              | MTRRsOper    | OPER   | ctlVal     | 101.150 | MAIN : Reset meas.v.energy2  |
| MmuSecMMXU1  | Mod          | INC    | stVal      | 005.027 | IEC : Mode                   |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior               |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH            |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer    |
|              |              |        | swRev      | 002.120 | DVICE : Software version     |
|              | AngN         | MV     | mag        | 004.072 | MAIN : Angle phi N,1         |
|              | LodAngC      | MV     | mag        | 004.057 | MAIN : Load angle phi C,1    |
|              | LodAngB      | MV     | mag        | 004.056 | MAIN : Load angle phi B,1    |
|              | LodAngA      | MV     | mag        | 004.055 | MAIN : Load angle phi A,1    |
|              | TotW         | MV     | mag        | 004.051 | MAIN : Activepower P,1 p.u.  |
|              | TotVAr       | MV     | mag        | 004.053 | MAIN : Reac.power Q,1 p.u.   |
|              | TotVA        | MV     | mag        | 005.026 | MAIN : Appar. powerS,1 p.u.  |
|              | TotPF        | MV     | mag        | 004.054 | MAIN : Activepower factor,1  |
|              | PPVphsABcVal | Vector | mag        | 005.045 | MAIN : Voltage A-B,1 p.u.    |
|              | PPVphsBCcVal | Vector | mag        | 006.045 | MAIN : Voltage B-C,1 p.u.    |
|              | PPVphsCAcVal | Vector | mag        | 007.045 | MAIN : Voltage C-A,1 p.u.    |
|              | PhVphsAcVal  | Vector | mag        | 005.043 | MAIN : Voltage A-G,1 p.u.    |
|              | PhVphsBcVal  | Vector | mag        | 006.043 | MAIN : Voltage B-G,1 p.u.    |
|              | PhVphsCcVal  | Vector | mag        | 007.043 | MAIN : Voltage C-G,1 p.u.    |
|              | PhVneutcVal  | Vector | mag        | 004.042 | MAIN : Voltage VNG,1 p.u.    |
|              | PhVrescVal   | Vector | mag        | 005.013 | MAIN : Volt.ε (VPG)/√3,1p.u. |
|              | AphsAcVal    | Vector | mag        | 005.041 | MAIN : Current A,1 p.u.      |
|              | AphsBcVal    | Vector | mag        | 006.041 | MAIN : Current B,1 p.u.      |
|              | AphsCcVal    | Vector | mag        | 007.041 | MAIN : Current C,1 p.u.      |
|              | AneutcVal    | Vector | mag        | 004.044 | MAIN : Current IN,1 p.u.     |

| Logical Node | Data Object  | CDC    | Data Attr. | Address | Description                                       |
|--------------|--------------|--------|------------|---------|---|
|              | ArescVal     | Vector | mag        | 005.011 | MAIN : Current $\Sigma$ (IP), 1 p.u.              |
| MmuSecMMXU2  | Mod          | INC    | stVal      | 005.027 | IEC : Mode  |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior                                    |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH                                 |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer                         |
|              |              |        | swRev      | 002.120 | DVICE : Software version                          |
|              | AngN         | MV     | mag        | 101.058 | MAIN : Angle phi N, 2                             |
|              | LodAngC      | MV     | mag        | 101.057 | MAIN : Load angle phi C, 2                        |
|              | LodAngB      | MV     | mag        | 101.056 | MAIN : Load angle phi B, 2                        |
|              | LodAngA      | MV     | mag        | 101.055 | MAIN : Load angle phi A, 2                        |
|              | TotW         | MV     | mag        | 101.051 | MAIN : Activepower P, 2 p.u.                      |
|              | TotVAr       | MV     | mag        | 101.052 | MAIN : Reac.power Q, 2 p.u.                       |
|              | TotVA        | MV     | mag        | 007.020 | MAIN : Appar. powerS, 2 p.u.                      |
|              | TotPF        | MV     | mag        | 101.053 | MAIN : Activepower factor, 2                      |
|              | PPVphsABcVal | Vector | mag        | 101.048 | MAIN : Voltage A-B, 2 p.u.                        |
|              | PPVphsBCcVal | Vector | mag        | 101.049 | MAIN : Voltage B-C, 2 p.u.                        |
|              | PPVphsCAcVal | Vector | mag        | 101.050 | MAIN : Voltage C-A, 2 p.u.                        |
|              | PhVphsAcVal  | Vector | mag        | 101.041 | MAIN : Voltage A-G, 2 p.u.                        |
|              | PhVphsBcVal  | Vector | mag        | 101.042 | MAIN : Voltage B-G, 2 p.u.                        |
|              | PhVphsCcVal  | Vector | mag        | 101.043 | MAIN : Voltage C-G, 2 p.u.                        |
|              | PhVneutcVal  | Vector | mag        | 101.045 | MAIN : Voltage VNG, 2 p.u.                        |
|              | PhVrescVal   | Vector | mag        | 101.044 | MAIN : Volt. $\Sigma$ (VPG) / $\sqrt{3}$ , 2 p.u. |
|              | AphsAcVal    | Vector | mag        | 101.033 | MAIN : Current A, 2 p.u.                          |
|              | AphsBcVal    | Vector | mag        | 101.034 | MAIN : Current B, 2 p.u.                          |
|              | AphsCcVal    | Vector | mag        | 101.035 | MAIN : Current C, 2 p.u.                          |
|              | AneutcVal    | Vector | mag        | 101.038 | MAIN : Current IN, 2 p.u.                         |
|              | ArescVal     | Vector | mag        | 101.036 | MAIN : Current $\Sigma$ (IP), 2 p.u.              |
| MmuPriMMXU1  | Mod          | INC    | stVal      | 005.027 | IEC : Mode  |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior                                    |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH                                 |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer                         |
|              |              |        | swRev      | 002.120 | DVICE : Software version                          |
|              | TotW         | MV     | mag        | 004.050 | MAIN : Activepower P, 1 prim                      |
|              | TotVAr       | MV     | mag        | 004.052 | MAIN : Reac.power Q, 1 prim.                      |
|              | TotVA        | MV     | mag        | 005.025 | MAIN : Appar. powerS, 1 prim                      |
|              | Hz           | MV     | mag        | 004.040 | MAIN : Frequency f, 1                             |
|              | PPVphsABcVal | Vector | mag        | 005.044 | MAIN : Voltage A-B, 1 prim.                       |
|              | PPVphsBCcVal | Vector | mag        | 006.044 | MAIN : Voltage B-C, 1 prim.                       |
|              | PPVphsCAcVal | Vector | mag        | 007.044 | MAIN : Voltage C-A, 1 prim.                       |
|              | PhVphsAcVal  | Vector | mag        | 005.042 | MAIN : Voltage A-G, 1 prim.                       |
|              | PhVphsBcVal  | Vector | mag        | 006.042 | MAIN : Voltage B-G, 1 prim.                       |
|              | PhVphsCcVal  | Vector | mag        | 007.042 | MAIN : Voltage C-G, 1 prim.                       |
|              | PhVneutcVal  | Vector | mag        | 004.041 | MAIN : Voltage VNG, 1 prim.                       |
|              | PhVrescVal   | Vector | mag        | 005.012 | MAIN : Volt. $\Sigma$ (VPG) / 3, 1 prim.          |
|              | AphsAcVal    | Vector | mag        | 005.040 | MAIN : Current A, 1 prim.                         |
|              | AphsBcVal    | Vector | mag        | 006.040 | MAIN : Current B, 1 prim.                         |
|              | AphsCcVal    | Vector | mag        | 007.040 | MAIN : Current C, 1 prim.                         |
|              | AneutcVal    | Vector | mag        | 004.043 | MAIN : Current IN, 1 prim.                        |
|              | ArescVal     | Vector | mag        | 005.010 | MAIN : Current $\Sigma$ (IP), 1 prim.             |
| MmuPriMMXU2  | Mod          | INC    | stVal      | 005.027 | IEC : Mode  |



## Logical Device: Measurements

| Logical Node | Data Object  | CDC    | Data Attr. | Address | Description                 |
|--------------|--------------|--------|------------|---------|-----------------------------|
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior              |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH           |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer   |
|              |              |        | swRev      | 002.120 | DVICE : Software version    |
|              | TotW         | MV     | mag        | 101.023 | MAIN : Activepower P,2 prim |
|              | TotVAr       | MV     | mag        | 101.024 | MAIN : Reac.power Q,2 prim. |
|              | TotVA        | MV     | mag        | 007.019 | MAIN : Appar. powerS,2 prim |
|              | Hz           | MV     | mag        | 101.000 | MAIN : Frequency f,2        |
|              | PPVphsABcVal | Vector | mag        | 101.020 | MAIN : Voltage A-B,2 prim.  |
|              | PPVphsBCcVal | Vector | mag        | 101.021 | MAIN : Voltage B-C,2 prim.  |
|              | PPVphsCAcVal | Vector | mag        | 101.022 | MAIN : Voltage C-A,2 prim.  |
|              | PhVphsAcVal  | Vector | mag        | 101.012 | MAIN : Voltage A-G,2 prim.  |
|              | PhVphsBcVal  | Vector | mag        | 101.013 | MAIN : Voltage B-G,2 prim.  |
|              | PhVphsCcVal  | Vector | mag        | 101.014 | MAIN : Voltage C-G,2 prim.  |
|              | PhVneutcVal  | Vector | mag        | 101.016 | MAIN : Voltage VNG,2 prim.  |
|              | PhVrescVal   | Vector | mag        | 101.015 | MAIN : Volt.Σ(VPG)/3,2prim. |
|              | AphsAcVal    | Vector | mag        | 101.005 | MAIN : Current A,2 prim.    |
|              | AphsBcVal    | Vector | mag        | 101.006 | MAIN : Current B,2 prim.    |
|              | AphsCcVal    | Vector | mag        | 101.007 | MAIN : Current C,2 prim.    |
|              | AneutcVal    | Vector | mag        | 101.009 | MAIN : Current IN,2 prim.   |
|              | ArescVal     | Vector | mag        | 101.008 | MAIN : Current Σ(IP),2prim. |
| MmuSecMSTA1  | Mod          | INC    | stVal      | 005.027 | IEC : Mode                  |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior              |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH           |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer   |
|              |              |        | swRev      | 002.120 | DVICE : Software version    |
|              | MaxAmpsMe    | MV     | mag        | 005.035 | MAIN : IP max,1 p.u.,stored |
|              | MaxAmpsDl    | MV     | mag        | 005.037 | MAIN : IP max,1 p.u.,delay  |
|              | MinAmps      | MV     | mag        | 005.056 | MAIN : CurrentIP min,1 p.u. |
|              | MinVpp       | MV     | mag        | 009.045 | MAIN : VoltageVPPmin,1 p.u. |
|              | MaxVpp       | MV     | mag        | 008.045 | MAIN : VoltageVPPmax,1 p.u. |
|              | MinVpg       | MV     | mag        | 009.043 | MAIN : VoltageVPGmin,1 p.u. |
|              | MaxVpg       | MV     | mag        | 008.043 | MAIN : VoltageVPGmax,1 p.u. |
|              | MaxAmps      | MV     | mag        | 005.051 | MAIN : Current Ipmax,1 p.u. |
| MmuSecMSTA2  | Mod          | INC    | stVal      | 005.027 | IEC : Mode                  |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior              |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH           |
|              | NamPlt       | LPL    | vendor     | 003.183 | PC : Name of manufacturer   |
|              |              |        | swRev      | 002.120 | DVICE : Software version    |
|              | MaxAmpsMe    | MV     | mag        | 101.031 | MAIN : IP max,2 p.u.,stored |
|              | MaxAmpsDl    | MV     | mag        | 101.030 | MAIN : IP max,2 p.u.,delay  |
|              | MinAmps      | MV     | mag        | 101.032 | MAIN : CurrentIP min,2 p.u. |
|              | MinVpp       | MV     | mag        | 101.047 | MAIN : VoltageVPPmin,2 p.u. |
|              | MaxVpp       | MV     | mag        | 101.046 | MAIN : VoltageVPPmax,2 p.u. |
|              | MinVpg       | MV     | mag        | 101.040 | MAIN : VoltageVPGmin,2 p.u. |
|              | MaxVpg       | MV     | mag        | 101.039 | MAIN : VoltageVPGmax,2 p.u. |
|              | MaxAmps      | MV     | mag        | 101.029 | MAIN : Current Ipmax,2 p.u. |
| MmuPriMSTA1  | Mod          | INC    | stVal      | 005.027 | IEC : Mode                  |
|              | Beh          | INS    | stVal      | 005.028 | IEC : Behavior              |
|              | Health       | INS    | stVal      | 000.124 | IEC : MMXU.HEALTH           |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description                 |
|--------------|-------------|-----|------------|---------|-----------------------------|
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer   |
|              |             |     | swRev      | 002.120 | DVICE : Software version    |
|              | MaxAmpsMe   | MV  | mag        | 005.034 | MAIN : IPmax,1 prim.,stored |
|              | MaxAmpsDl   | MV  | mag        | 005.036 | MAIN : IP max,1 prim.,delay |
|              | MinAmps     | MV  | mag        | 005.055 | MAIN : Curr. IP min,1 prim. |
|              | MinVpp      | MV  | mag        | 009.044 | MAIN : Voltage VPPmin,1 pri |
|              | MaxVpp      | MV  | mag        | 008.044 | MAIN : Volt.VPP max,1 prim. |
|              | MinVpg      | MV  | mag        | 009.042 | MAIN : Volt.VPG min,1 prim. |
|              | MaxVpg      | MV  | mag        | 008.042 | MAIN : Volt.VPG max,1 prim. |
|              | MaxAmps     | MV  | mag        | 005.050 | MAIN : Curr. IP max,1 prim. |
| MmuPrimSTA2  | Mod         | INC | stVal      | 005.027 | IEC : Mode                  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior              |
|              | Health      | INS | stVal      | 000.124 | IEC : MMXU.HEALTH           |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer   |
|              |             |     | swRev      | 002.120 | DVICE : Software version    |
|              | MaxAmpsMe   | MV  | mag        | 101.003 | MAIN : IPmax,2 prim.,stored |
|              | MaxAmpsDl   | MV  | mag        | 101.002 | MAIN : IP max,2 prim.,delay |
|              | MinAmps     | MV  | mag        | 101.004 | MAIN : Curr. IP min,2 prim. |
|              | MinVpp      | MV  | mag        | 101.018 | MAIN : Voltage VPPmin,2 pri |
|              | MaxVpp      | MV  | mag        | 101.017 | MAIN : Volt.VPP max,2 prim. |
|              | MinVpg      | MV  | mag        | 101.011 | MAIN : Volt.VPG min,2 prim. |
|              | MaxVpg      | MV  | mag        | 101.010 | MAIN : Volt.VPG max,2 prim. |
|              | MaxAmps     | MV  | mag        | 101.001 | MAIN : Curr. IP max,2 prim. |

### 1.3 Logical Device: System

#### 1.3.1 SETTING-GROUP-CONTROL-BLOCK class model

The SETTING-GROUP-CONTROL-BLOCK (SGCB) allows the user to switch between the four pre-set parameter subsets (PS) during operation without interrupting the protection function. This Data Object (DO) can be found in System/LLN0.SGCB.

The SGCB class contains five mandatory DO. At this time, three of them are supported by the software.

| Attribute name | Attribute type | Description   | Status        |
|----------------|----------------|---|---------------|
| NumOfSG        | INT8U          | Number of available SGs   | SUPPORTED     |
| ActSG          | INT8U          | SG currently in use   | SUPPORTED     |
| EditSG         | INT8U          | SG currently in edit mode   | NOT SUPPORTED |
| CnfEdit        | BOOLEAN        | Confirm the edit process  | NOT SUPPORTED |
| LActTm         | TimeStamp      | Time of the last ActSG processing (use of service SelectActiveSG) | SUPPORTED     |

In conformance with the IEC 61850 standard, a client shall use the service SelectActiveSG to activate any of the four PSs. This service is virtually a write operation on the Data Attribute (DA) ActSG with the corresponding PS value. A service request is acknowledged with a positive response (write operation succeeded) if the service was used with valid SGCBReference (System/LLN0.SGCB) and a valid SettingGroupNumber (1 to 4). Otherwise the response is negative (write operation failed). The SGCB doesn't

## Logical Device: System

offer any reporting mechanism. The value of the active PS can be obtained by reading the value of the Attribute ActSG. To enable spontaneous reporting of this value, for example in case of PS switch on the local control panel, a private DO CurSG (Current Setting Group) has been added to the logical node System\LLN0. The reporting behaviour of this status information can be set using the DO System\LLN0.urcbST.

## 1.3.2 System: List of Logical Nodes

| Logical Node | Data Object | CDC   | Data Attr. | Address                  | Description                  |                     |
|--------------|-------------|-------|------------|--------------------------|------------------------------|---------------------|
| LLN0         | Mod         | INC   | stVal      | 005.027                  | IEC : Mode                   |                     |
|              | Beh         | INS   | stVal      | 005.028                  | IEC : Behavior               |                     |
|              | Health      | INS   | stVal      | 005.029                  | IEC : Healthy                |                     |
|              | NamPlt      | LPL   | vendor     | 003.183                  | PC : Name of manufacturer    |                     |
|              |             |       | swRev      | 002.120                  | DVICE : Software version     |                     |
|              |             |       | configRev  | -                        |                              |                     |
|              | Loc         | SPS   | stVal      | -                        |                              |                     |
|              | LEDRs       | SPC   | stVal      | 021.010                  | MAIN : Reset indicat. USER   |                     |
|              | LEDRsOper   | OPER  | ctlVal     | 021.010                  | MAIN : Reset indicat. USER   |                     |
| AlmGGIO1     | Mod         | INC   | stVal      | 005.027                  | IEC : Mode                   |                     |
|              | Beh         | INS   | stVal      | 005.028                  | IEC : Behavior               |                     |
|              | Health      | INS   | stVal      | 005.029                  | IEC : Healthy                |                     |
|              | NamPlt      | LPL   | vendor     | 003.183                  | PC : Name of manufacturer    |                     |
|              |             |       | swRev      | 002.120                  | DVICE : Software version     |                     |
|              | Alm1        | SPS   | stVal      | 036.100                  | SFMON : Warning (relay)      |                     |
|              | Alm2        | SPS   | stVal      | 041.200                  | SFMON : Relay Kxx faulty     |                     |
|              | Alm3        | SPS   | stVal      | 004.065                  | MAIN : Blocked/faulty        |                     |
|              | Alm4        | SPS   | stVal      | 004.061                  | MAIN : M.c.b. trip V EXT     |                     |
|              | Alm5        | SPS   | stVal      | 036.086                  | MAIN : M.c.b. trip Vref EXT  |                     |
|              | Alm6        | SPS   | stVal      | 040.190                  | MEASI : PT100 faulty         |                     |
|              | Alm7        | SPS   | stVal      | 040.191                  | MEASI : Overload 20mA input  |                     |
|              | Alm8        | SPS   | stVal      | 040.192                  | MEASI : Open circ. 20mA inp. |                     |
|              | AlmGGIO2    | Mod   | INC        | stVal                    | 000.114                      | IEC : GRENZ1.Mode   |
|              |             | Beh   | INS        | stVal                    | 000.120                      | IEC : ResGRENZ1.Beh |
| Health       |             | INS   | stVal      | 005.029                  | IEC : Healthy                |                     |
| NamPlt       |             | LPL   | vendor     | 003.183                  | PC : Name of manufacturer    |                     |
|              |             |       | swRev      | 002.120                  | DVICE : Software version     |                     |
| Alm1         |             | SPS   | stVal      | 040.220                  | LIM_1 : tI>,1 elapsed        |                     |
| Alm2         |             | SPS   | stVal      | 040.221                  | LIM_1 : tI>>,1 elapsed       |                     |
| Alm3         |             | SPS   | stVal      | 040.222                  | LIM_1 : tI<,1 elapsed        |                     |
| Alm4         |             | SPS   | stVal      | 040.223                  | LIM_1 : tI<<,1 elapsed       |                     |
| Alm5         |             | SPS   | stVal      | 040.224                  | LIM_1 : tVPG>,1 elapsed      |                     |
| Alm6         |             | SPS   | stVal      | 040.225                  | LIM_1 : tVPG>>,1 elapsed     |                     |
| Alm7         |             | SPS   | stVal      | 040.226                  | LIM_1 : tVPG<,1 elapsed      |                     |
| Alm8         |             | SPS   | stVal      | 040.227                  | LIM_1 : tVPG<<,1 elapsed     |                     |
| Alm9         |             | SPS   | stVal      | 040.228                  | LIM_1 : tVPP>,1 elapsed      |                     |
| Alm10        |             | SPS   | stVal      | 040.229                  | LIM_1 : tVPP>>,1 elapsed     |                     |
| Alm11        |             | SPS   | stVal      | 040.230                  | LIM_1 : tVPP<,1 elapsed      |                     |
| Alm12        |             | SPS   | stVal      | 040.231                  | LIM_1 : tVPP<<,1 elapsed     |                     |
| Alm13        | SPS         | stVal | 040.168    | LIM_1 : tVNG>,1 elapsed  |                              |                     |
| Alm14        | SPS         | stVal | 040.169    | LIM_1 : tVNG>>,1 elapsed |                              |                     |
| Alm15        | SPS         | stVal | 042.152    | LIM_1 : tVref>,1 elapsed |                              |                     |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description                 |
|--------------|-------------|-----|------------|---------|-----------------------------|
|              | Alm16       | SPS | stVal      | 042.153 | LIM_1 : tVref>>,1 elapsed   |
|              | Alm17       | SPS | stVal      | 042.154 | LIM_1 : tVref<,1 elapsed    |
|              | Alm18       | SPS | stVal      | 042.155 | LIM_1 : tVref<<,1 elapsed   |
|              | Alm19       | SPS | stVal      | 221.232 | LIM_1 : tIPxx,1 triggered   |
|              | Alm20       | SPS | stVal      | 221.233 | LIM_1 : tVPGxx,1 triggered  |
|              | Alm21       | SPS | stVal      | 221.234 | LIM_1 : tVPPxx,1 triggered  |
|              | Alm22       | SPS | stVal      | 221.235 | LIM_1 : tVNGxx,1 triggered  |
|              | Alm23       | SPS | stVal      | 221.237 | LIM_1 : tVrefxx,1 triggered |
| AlmGGIO3     | Mod         | INC | stVal      | 000.115 | IEC : GRENZ2.Mode           |
|              | Beh         | INS | stVal      | 000.121 | IEC : GRENZ2.Beh            |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy               |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer   |
|              |             |     | swRev      | 002.120 | DVICE : Software version    |
|              | Alm1        | SPS | stVal      | 102.051 | LIM_2 : tI>,2 elapsed       |
|              | Alm2        | SPS | stVal      | 102.052 | LIM_2 : tI>>,2 elapsed      |
|              | Alm3        | SPS | stVal      | 102.053 | LIM_2 : tI<,2 elapsed       |
|              | Alm4        | SPS | stVal      | 102.054 | LIM_2 : tI<<,2 elapsed      |
|              | Alm5        | SPS | stVal      | 102.055 | LIM_2 : tVPG>,2 elapsed     |
|              | Alm6        | SPS | stVal      | 102.056 | LIM_2 : tVPG>>,2 elapsed    |
|              | Alm7        | SPS | stVal      | 102.057 | LIM_2 : tVPG<,2 elapsed     |
|              | Alm8        | SPS | stVal      | 102.058 | LIM_2 : tVPG<<,2 elapsed    |
|              | Alm9        | SPS | stVal      | 102.059 | LIM_2 : tVPP>,2 elapsed     |
|              | Alm10       | SPS | stVal      | 102.060 | LIM_2 : tVPP>>,2 elapsed    |
|              | Alm11       | SPS | stVal      | 102.061 | LIM_2 : tVPP<,2 elapsed     |
|              | Alm12       | SPS | stVal      | 102.062 | LIM_2 : tVPP<<,2 elapsed    |
|              | Alm13       | SPS | stVal      | 102.063 | LIM_2 : tVNG>,2 elapsed     |
|              | Alm14       | SPS | stVal      | 102.064 | LIM_2 : tVNG>>,2 elapsed    |
|              | Alm15       | SPS | stVal      | 102.068 | LIM_2 : tIPxx,2 triggered   |
|              | Alm16       | SPS | stVal      | 102.065 | LIM_2 : tVPGxx,2 triggered  |
|              | Alm17       | SPS | stVal      | 102.066 | LIM_2 : tVPPxx,2 triggered  |
|              | Alm18       | SPS | stVal      | 102.067 | LIM_2 : tVNGxx,2 triggered  |
| AlmGGIO4     | Mod         | INC | stVal      | 005.027 | IEC : Mode                  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior              |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy               |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer   |
|              |             |     | swRev      | 002.120 | DVICE : Software version    |
|              | Alm1        | SPS | stVal      | 040.180 | LIMIT : Starting IDC,lin>   |
|              | Alm2        | SPS | stVal      | 040.181 | LIMIT : Starting IDC,lin>>  |
|              | Alm3        | SPS | stVal      | 040.182 | LIMIT : tIDC,lin> elapsed   |
|              | Alm4        | SPS | stVal      | 040.183 | LIMIT : tIDC,lin>> elapsed  |
|              | Alm5        | SPS | stVal      | 040.184 | LIMIT : Starting IDC,lin<   |
|              | Alm6        | SPS | stVal      | 040.185 | LIMIT : Starting IDC,lin<<  |
|              | Alm7        | SPS | stVal      | 040.186 | LIMIT : tIDC,lin< elapsed   |
|              | Alm8        | SPS | stVal      | 040.187 | LIMIT : tIDC,lin<< elapsed  |
|              | Alm9        | SPS | stVal      | 040.170 | LIMIT : Starting T>         |
|              | Alm10       | SPS | stVal      | 040.171 | LIMIT : Starting T>>        |
|              | Alm11       | SPS | stVal      | 040.172 | LIMIT : tT> elapsed         |
|              | Alm12       | SPS | stVal      | 040.173 | LIMIT : tT>> elapsed        |
|              | Alm13       | SPS | stVal      | 040.174 | LIMIT : Starting T<         |
|              | Alm14       | SPS | stVal      | 040.175 | LIMIT : Starting T<<        |

## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Alm15       | SPS | stVal      | 040.176 | LIMIT : tT< elapsed       |
|              | Alm16       | SPS | stVal      | 040.177 | LIMIT : tT<< elapsed      |
| GosGGIO1     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 106.200 | GOOSE : Input 1 state     |
|              | Ind2        | SPS | stVal      | 106.201 | GOOSE : Input 2 state     |
|              | Ind3        | SPS | stVal      | 106.202 | GOOSE : Input 3 state     |
|              | Ind4        | SPS | stVal      | 106.203 | GOOSE : Input 4 state     |
|              | Ind5        | SPS | stVal      | 106.204 | GOOSE : Input 5 state     |
|              | Ind6        | SPS | stVal      | 106.205 | GOOSE : Input 6 state     |
|              | Ind7        | SPS | stVal      | 106.206 | GOOSE : Input 7 state     |
|              | Ind8        | SPS | stVal      | 106.207 | GOOSE : Input 8 state     |
|              | Ind9        | SPS | stVal      | 106.208 | GOOSE : Input 9 state     |
|              | Ind10       | SPS | stVal      | 106.209 | GOOSE : Input 10 state    |
|              | Ind11       | SPS | stVal      | 106.210 | GOOSE : Input 11 state    |
|              | Ind12       | SPS | stVal      | 106.211 | GOOSE : Input 12 state    |
|              | Ind13       | SPS | stVal      | 106.212 | GOOSE : Input 13 state    |
|              | Ind14       | SPS | stVal      | 106.213 | GOOSE : Input 14 state    |
|              | Ind15       | SPS | stVal      | 106.214 | GOOSE : Input 15 state    |
|              | Ind16       | SPS | stVal      | 106.215 | GOOSE : Input 16 state    |
| GosGGIO2     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 106.010 | GOOSE : Output 1 state    |
|              | Ind2        | SPS | stVal      | 106.012 | GOOSE : Output 2 state    |
|              | Ind3        | SPS | stVal      | 106.014 | GOOSE : Output 3 state    |
|              | Ind4        | SPS | stVal      | 106.016 | GOOSE : Output 4 state    |
|              | Ind5        | SPS | stVal      | 106.018 | GOOSE : Output 5 state    |
|              | Ind6        | SPS | stVal      | 106.020 | GOOSE : Output 6 state    |
|              | Ind7        | SPS | stVal      | 106.022 | GOOSE : Output 7 state    |
|              | Ind8        | SPS | stVal      | 106.024 | GOOSE : Output 8 state    |
|              | Ind9        | SPS | stVal      | 106.026 | GOOSE : Output 9 state    |
|              | Ind10       | SPS | stVal      | 106.028 | GOOSE : Output 10 state   |
|              | Ind11       | SPS | stVal      | 106.030 | GOOSE : Output 11 state   |
|              | Ind12       | SPS | stVal      | 106.032 | GOOSE : Output 12 state   |
|              | Ind13       | SPS | stVal      | 106.034 | GOOSE : Output 13 state   |
|              | Ind14       | SPS | stVal      | 106.036 | GOOSE : Output 14 state   |
|              | Ind15       | SPS | stVal      | 106.038 | GOOSE : Output 15 state   |
|              | Ind16       | SPS | stVal      | 106.040 | GOOSE : Output 16 state   |
|              | Ind17       | SPS | stVal      | 106.042 | GOOSE : Output 17 state   |
|              | Ind18       | SPS | stVal      | 106.044 | GOOSE : Output 18 state   |
|              | Ind19       | SPS | stVal      | 106.046 | GOOSE : Output 19 state   |
|              | Ind20       | SPS | stVal      | 106.048 | GOOSE : Output 20 state   |
|              | Ind21       | SPS | stVal      | 106.050 | GOOSE : Output 21 state   |
|              | Ind22       | SPS | stVal      | 106.052 | GOOSE : Output 22 state   |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind23       | SPS | stVal      | 106.054 | GOOSE : Output 23 state   |
|              | Ind24       | SPS | stVal      | 106.056 | GOOSE : Output 24 state   |
|              | Ind25       | SPS | stVal      | 106.058 | GOOSE : Output 25 state   |
|              | Ind26       | SPS | stVal      | 106.060 | GOOSE : Output 26 state   |
|              | Ind27       | SPS | stVal      | 106.062 | GOOSE : Output 27 state   |
|              | Ind28       | SPS | stVal      | 106.064 | GOOSE : Output 28 state   |
|              | Ind29       | SPS | stVal      | 106.066 | GOOSE : Output 29 state   |
|              | Ind30       | SPS | stVal      | 106.068 | GOOSE : Output 30 state   |
|              | Ind31       | SPS | stVal      | 106.070 | GOOSE : Output 31 state   |
|              | Ind32       | SPS | stVal      | 106.072 | GOOSE : Output 32 state   |
| PloGGIO1     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 034.000 | LOGIC : Input 1 EXT       |
|              | Ind2        | SPS | stVal      | 034.001 | LOGIC : Input 2 EXT       |
|              | Ind3        | SPS | stVal      | 034.002 | LOGIC : Input 3 EXT       |
|              | Ind4        | SPS | stVal      | 034.003 | LOGIC : Input 4 EXT       |
|              | Ind5        | SPS | stVal      | 034.004 | LOGIC : Input 5 EXT       |
|              | Ind6        | SPS | stVal      | 034.005 | LOGIC : Input 6 EXT       |
|              | Ind7        | SPS | stVal      | 034.006 | LOGIC : Input 7 EXT       |
|              | Ind8        | SPS | stVal      | 034.007 | LOGIC : Input 8 EXT       |
|              | Ind9        | SPS | stVal      | 034.008 | LOGIC : Input 9 EXT       |
|              | Ind10       | SPS | stVal      | 034.009 | LOGIC : Input 10 EXT      |
|              | Ind11       | SPS | stVal      | 034.010 | LOGIC : Input 11 EXT      |
|              | Ind12       | SPS | stVal      | 034.011 | LOGIC : Input 12 EXT      |
|              | Ind13       | SPS | stVal      | 034.012 | LOGIC : Input 13 EXT      |
|              | Ind14       | SPS | stVal      | 034.013 | LOGIC : Input 14 EXT      |
|              | Ind15       | SPS | stVal      | 034.014 | LOGIC : Input 15 EXT      |
|              | Ind16       | SPS | stVal      | 034.015 | LOGIC : Input 16 EXT      |
| PloGGIO2     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 042.032 | LOGIC : Output 1          |
|              | Ind2        | SPS | stVal      | 042.034 | LOGIC : Output 2          |
|              | Ind3        | SPS | stVal      | 042.036 | LOGIC : Output 3          |
|              | Ind4        | SPS | stVal      | 042.038 | LOGIC : Output 4          |
|              | Ind5        | SPS | stVal      | 042.040 | LOGIC : Output 5          |
|              | Ind6        | SPS | stVal      | 042.042 | LOGIC : Output 6          |
|              | Ind7        | SPS | stVal      | 042.044 | LOGIC : Output 7          |
|              | Ind8        | SPS | stVal      | 042.046 | LOGIC : Output 8          |
|              | Ind9        | SPS | stVal      | 042.048 | LOGIC : Output 9          |
|              | Ind10       | SPS | stVal      | 042.050 | LOGIC : Output 10         |
|              | Ind11       | SPS | stVal      | 042.052 | LOGIC : Output 11         |
|              | Ind12       | SPS | stVal      | 042.054 | LOGIC : Output 12         |
|              | Ind13       | SPS | stVal      | 042.056 | LOGIC : Output 13         |
|              | Ind14       | SPS | stVal      | 042.058 | LOGIC : Output 14         |

## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind15       | SPS | stVal      | 042.060 | LOGIC : Output 15         |
|              | Ind16       | SPS | stVal      | 042.062 | LOGIC : Output 16         |
|              | Ind17       | SPS | stVal      | 042.064 | LOGIC : Output 17         |
|              | Ind18       | SPS | stVal      | 042.066 | LOGIC : Output 18         |
|              | Ind19       | SPS | stVal      | 042.068 | LOGIC : Output 19         |
|              | Ind20       | SPS | stVal      | 042.070 | LOGIC : Output 20         |
|              | Ind21       | SPS | stVal      | 042.072 | LOGIC : Output 21         |
|              | Ind22       | SPS | stVal      | 042.074 | LOGIC : Output 22         |
|              | Ind23       | SPS | stVal      | 042.076 | LOGIC : Output 23         |
|              | Ind24       | SPS | stVal      | 042.078 | LOGIC : Output 24         |
|              | Ind25       | SPS | stVal      | 042.080 | LOGIC : Output 25         |
|              | Ind26       | SPS | stVal      | 042.082 | LOGIC : Output 26         |
|              | Ind27       | SPS | stVal      | 042.084 | LOGIC : Output 27         |
|              | Ind28       | SPS | stVal      | 042.086 | LOGIC : Output 28         |
|              | Ind29       | SPS | stVal      | 042.088 | LOGIC : Output 29         |
|              | Ind30       | SPS | stVal      | 042.090 | LOGIC : Output 30         |
|              | Ind31       | SPS | stVal      | 042.092 | LOGIC : Output 31         |
|              | Ind32       | SPS | stVal      | 042.094 | LOGIC : Output 32         |
| PloGGIO3     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 042.033 | LOGIC : Output 1 (t)      |
|              | Ind2        | SPS | stVal      | 042.035 | LOGIC : Output 2 (t)      |
|              | Ind3        | SPS | stVal      | 042.037 | LOGIC : Output 3 (t)      |
|              | Ind4        | SPS | stVal      | 042.039 | LOGIC : Output 4 (t)      |
|              | Ind5        | SPS | stVal      | 042.041 | LOGIC : Output 5 (t)      |
|              | Ind6        | SPS | stVal      | 042.043 | LOGIC : Output 6 (t)      |
|              | Ind7        | SPS | stVal      | 042.045 | LOGIC : Output 7 (t)      |
|              | Ind8        | SPS | stVal      | 042.047 | LOGIC : Output 8 (t)      |
|              | Ind9        | SPS | stVal      | 042.049 | LOGIC : Output 9 (t)      |
|              | Ind10       | SPS | stVal      | 042.051 | LOGIC : Output 10 (t)     |
|              | Ind11       | SPS | stVal      | 042.053 | LOGIC : Output 11 (t)     |
|              | Ind12       | SPS | stVal      | 042.055 | LOGIC : Output 12 (t)     |
|              | Ind13       | SPS | stVal      | 042.057 | LOGIC : Output 13 (t)     |
|              | Ind14       | SPS | stVal      | 042.059 | LOGIC : Output 14 (t)     |
|              | Ind15       | SPS | stVal      | 042.061 | LOGIC : Output 15 (t)     |
|              | Ind16       | SPS | stVal      | 042.063 | LOGIC : Output 16 (t)     |
|              | Ind17       | SPS | stVal      | 042.065 | LOGIC : Output 17 (t)     |
|              | Ind18       | SPS | stVal      | 042.067 | LOGIC : Output 18 (t)     |
|              | Ind19       | SPS | stVal      | 042.069 | LOGIC : Output 19 (t)     |
|              | Ind20       | SPS | stVal      | 042.071 | LOGIC : Output 20 (t)     |
|              | Ind21       | SPS | stVal      | 042.073 | LOGIC : Output 21 (t)     |
|              | Ind22       | SPS | stVal      | 042.075 | LOGIC : Output 22 (t)     |
|              | Ind23       | SPS | stVal      | 042.077 | LOGIC : Output 23 (t)     |
|              | Ind24       | SPS | stVal      | 042.079 | LOGIC : Output 24 (t)     |
|              | Ind25       | SPS | stVal      | 042.081 | LOGIC : Output 25 (t)     |
|              | Ind26       | SPS | stVal      | 042.083 | LOGIC : Output 26 (t)     |
|              | Ind27       | SPS | stVal      | 042.085 | LOGIC : Output 27 (t)     |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind28       | SPS | stVal      | 042.087 | LOGIC : Output 28 (t)     |
|              | Ind29       | SPS | stVal      | 042.089 | LOGIC : Output 29 (t)     |
|              | Ind30       | SPS | stVal      | 042.091 | LOGIC : Output 30 (t)     |
|              | Ind31       | SPS | stVal      | 042.093 | LOGIC : Output 31 (t)     |
|              | Ind32       | SPS | stVal      | 042.095 | LOGIC : Output 32 (t)     |
| PloGGIO4     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 034.067 | LOGIC : 1 has been set    |
|              | Ind2        | SPS | stVal      | 034.068 | LOGIC : 2 has been set    |
|              | Ind3        | SPS | stVal      | 034.069 | LOGIC : 3 has been set    |
|              | Ind4        | SPS | stVal      | 034.070 | LOGIC : 4 has been set    |
|              | Ind5        | SPS | stVal      | 034.071 | LOGIC : 5 has been set    |
|              | Ind6        | SPS | stVal      | 034.072 | LOGIC : 6 has been set    |
|              | Ind7        | SPS | stVal      | 034.073 | LOGIC : 7 has been set    |
|              | Ind8        | SPS | stVal      | 034.074 | LOGIC : 8 has been set    |
|              | Ind9        | SPS | stVal      | 034.075 | LOGIC : 1 set externally  |
|              | Ind10       | SPS | stVal      | 034.076 | LOGIC : 2 set externally  |
|              | Ind11       | SPS | stVal      | 034.077 | LOGIC : 3 set externally  |
|              | Ind12       | SPS | stVal      | 034.078 | LOGIC : 4 set externally  |
|              | Ind13       | SPS | stVal      | 034.079 | LOGIC : 5 set externally  |
|              | Ind14       | SPS | stVal      | 034.080 | LOGIC : 6 set externally  |
|              | Ind15       | SPS | stVal      | 034.081 | LOGIC : 7 set externally  |
|              | Ind16       | SPS | stVal      | 034.082 | LOGIC : 8 set externally  |
| PloGGIO5     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 042.180 | LOGIC : Output 33         |
|              | Ind2        | SPS | stVal      | 042.182 | LOGIC : Output 34         |
|              | Ind3        | SPS | stVal      | 042.184 | LOGIC : Output 35         |
|              | Ind4        | SPS | stVal      | 042.186 | LOGIC : Output 36         |
|              | Ind5        | SPS | stVal      | 042.188 | LOGIC : Output 37         |
|              | Ind6        | SPS | stVal      | 042.190 | LOGIC : Output 38         |
|              | Ind7        | SPS | stVal      | 042.192 | LOGIC : Output 39         |
|              | Ind8        | SPS | stVal      | 042.194 | LOGIC : Output 40         |
|              | Ind9        | SPS | stVal      | 042.196 | LOGIC : Output 41         |
|              | Ind10       | SPS | stVal      | 042.198 | LOGIC : Output 42         |
|              | Ind11       | SPS | stVal      | 042.200 | LOGIC : Output 43         |
|              | Ind12       | SPS | stVal      | 042.202 | LOGIC : Output 44         |
|              | Ind13       | SPS | stVal      | 042.204 | LOGIC : Output 45         |
|              | Ind14       | SPS | stVal      | 042.206 | LOGIC : Output 46         |
|              | Ind15       | SPS | stVal      | 042.208 | LOGIC : Output 47         |
|              | Ind16       | SPS | stVal      | 042.210 | LOGIC : Output 48         |
|              | Ind17       | SPS | stVal      | 042.212 | LOGIC : Output 49         |
|              | Ind18       | SPS | stVal      | 042.214 | LOGIC : Output 50         |
|              | Ind19       | SPS | stVal      | 042.216 | LOGIC : Output 51         |



## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind20       | SPS | stVal      | 042.218 | LOGIC : Output 52         |
|              | Ind21       | SPS | stVal      | 042.220 | LOGIC : Output 53         |
|              | Ind22       | SPS | stVal      | 042.222 | LOGIC : Output 54         |
|              | Ind23       | SPS | stVal      | 042.224 | LOGIC : Output 55         |
|              | Ind24       | SPS | stVal      | 042.226 | LOGIC : Output 56         |
|              | Ind25       | SPS | stVal      | 042.228 | LOGIC : Output 57         |
|              | Ind26       | SPS | stVal      | 042.230 | LOGIC : Output 58         |
|              | Ind27       | SPS | stVal      | 042.232 | LOGIC : Output 59         |
|              | Ind28       | SPS | stVal      | 042.234 | LOGIC : Output 60         |
|              | Ind29       | SPS | stVal      | 042.236 | LOGIC : Output 61         |
|              | Ind30       | SPS | stVal      | 042.238 | LOGIC : Output 62         |
|              | Ind31       | SPS | stVal      | 042.240 | LOGIC : Output 63         |
|              | Ind32       | SPS | stVal      | 042.242 | LOGIC : Output 64         |
| PloGGIO6     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 042.181 | LOGIC : Output 33 (t)     |
|              | Ind2        | SPS | stVal      | 042.183 | LOGIC : Output 34 (t)     |
|              | Ind3        | SPS | stVal      | 042.185 | LOGIC : Output 35 (t)     |
|              | Ind4        | SPS | stVal      | 042.187 | LOGIC : Output 36 (t)     |
|              | Ind5        | SPS | stVal      | 042.189 | LOGIC : Output 37 (t)     |
|              | Ind6        | SPS | stVal      | 042.191 | LOGIC : Output 38 (t)     |
|              | Ind7        | SPS | stVal      | 042.193 | LOGIC : Output 39 (t)     |
|              | Ind8        | SPS | stVal      | 042.195 | LOGIC : Output 40 (t)     |
|              | Ind9        | SPS | stVal      | 042.197 | LOGIC : Output 41 (t)     |
|              | Ind10       | SPS | stVal      | 042.199 | LOGIC : Output 42 (t)     |
|              | Ind11       | SPS | stVal      | 042.201 | LOGIC : Output 43 (t)     |
|              | Ind12       | SPS | stVal      | 042.203 | LOGIC : Output 44 (t)     |
|              | Ind13       | SPS | stVal      | 042.205 | LOGIC : Output 45 (t)     |
|              | Ind14       | SPS | stVal      | 042.207 | LOGIC : Output 46 (t)     |
|              | Ind15       | SPS | stVal      | 042.209 | LOGIC : Output 47 (t)     |
|              | Ind16       | SPS | stVal      | 042.211 | LOGIC : Output 48 (t)     |
|              | Ind17       | SPS | stVal      | 042.213 | LOGIC : Output 49 (t)     |
|              | Ind18       | SPS | stVal      | 042.215 | LOGIC : Output 50 (t)     |
|              | Ind19       | SPS | stVal      | 042.217 | LOGIC : Output 51 (t)     |
|              | Ind20       | SPS | stVal      | 042.219 | LOGIC : Output 52 (t)     |
|              | Ind21       | SPS | stVal      | 042.221 | LOGIC : Output 53 (t)     |
|              | Ind22       | SPS | stVal      | 042.223 | LOGIC : Output 54 (t)     |
|              | Ind23       | SPS | stVal      | 042.225 | LOGIC : Output 55 (t)     |
|              | Ind24       | SPS | stVal      | 042.227 | LOGIC : Output 56 (t)     |
|              | Ind25       | SPS | stVal      | 042.229 | LOGIC : Output 57 (t)     |
|              | Ind26       | SPS | stVal      | 042.231 | LOGIC : Output 58 (t)     |
|              | Ind27       | SPS | stVal      | 042.233 | LOGIC : Output 59 (t)     |
|              | Ind28       | SPS | stVal      | 042.235 | LOGIC : Output 60 (t)     |
|              | Ind29       | SPS | stVal      | 042.237 | LOGIC : Output 61 (t)     |
|              | Ind30       | SPS | stVal      | 042.239 | LOGIC : Output 62 (t)     |
|              | Ind31       | SPS | stVal      | 042.241 | LOGIC : Output 63 (t)     |
|              | Ind32       | SPS | stVal      | 042.243 | LOGIC : Output 64 (t)     |

| Logical Node | Data Object | CDC   | Data Attr. | Address               | Description           |                           |
|--------------|-------------|-------|------------|-----------------------|-----------------------|---------------------------|
| PloGGIO7     | Mod         | INC   | stVal      | 001.228               | IEC : Logik.Mod       |                           |
|              | Beh         | INS   | stVal      | 001.229               | IEC : Logik.Beh       |                           |
|              | Health      | INS   | stVal      | 005.029               | IEC : Healthy         |                           |
|              | NamPlt      |       | LPL        | vendor                | 003.183               | PC : Name of manufacturer |
|              |             |       |            | swRev                 | 002.120               | DVICE : Software version  |
|              | Ind1        | SPS   | stVal      | 047.128               | LOGIC : Output 65     |                           |
|              | Ind2        | SPS   | stVal      | 047.002               | LOGIC : Output 66     |                           |
|              | Ind3        | SPS   | stVal      | 047.004               | LOGIC : Output 67     |                           |
|              | Ind4        | SPS   | stVal      | 047.006               | LOGIC : Output 68     |                           |
|              | Ind5        | SPS   | stVal      | 047.008               | LOGIC : Output 69     |                           |
|              | Ind6        | SPS   | stVal      | 047.010               | LOGIC : Output 70     |                           |
|              | Ind7        | SPS   | stVal      | 047.012               | LOGIC : Output 71     |                           |
|              | Ind8        | SPS   | stVal      | 047.014               | LOGIC : Output 72     |                           |
|              | Ind9        | SPS   | stVal      | 047.016               | LOGIC : Output 73     |                           |
|              | Ind10       | SPS   | stVal      | 047.018               | LOGIC : Output 74     |                           |
|              | Ind11       | SPS   | stVal      | 047.020               | LOGIC : Output 75     |                           |
|              | Ind12       | SPS   | stVal      | 047.022               | LOGIC : Output 76     |                           |
|              | Ind13       | SPS   | stVal      | 047.024               | LOGIC : Output 77     |                           |
|              | Ind14       | SPS   | stVal      | 047.026               | LOGIC : Output 78     |                           |
|              | Ind15       | SPS   | stVal      | 047.028               | LOGIC : Output 79     |                           |
|              | Ind16       | SPS   | stVal      | 047.030               | LOGIC : Output 80     |                           |
|              | Ind17       | SPS   | stVal      | 047.032               | LOGIC : Output 81     |                           |
|              | Ind18       | SPS   | stVal      | 047.034               | LOGIC : Output 82     |                           |
|              | Ind19       | SPS   | stVal      | 047.036               | LOGIC : Output 83     |                           |
|              | Ind20       | SPS   | stVal      | 047.038               | LOGIC : Output 84     |                           |
|              | Ind21       | SPS   | stVal      | 047.040               | LOGIC : Output 85     |                           |
|              | Ind22       | SPS   | stVal      | 047.042               | LOGIC : Output 86     |                           |
|              | Ind23       | SPS   | stVal      | 047.044               | LOGIC : Output 87     |                           |
|              | Ind24       | SPS   | stVal      | 047.046               | LOGIC : Output 88     |                           |
|              | Ind25       | SPS   | stVal      | 047.048               | LOGIC : Output 89     |                           |
|              | Ind26       | SPS   | stVal      | 047.050               | LOGIC : Output 90     |                           |
|              | Ind27       | SPS   | stVal      | 047.052               | LOGIC : Output 91     |                           |
| Ind28        | SPS         | stVal | 047.054    | LOGIC : Output 92     |                       |                           |
| Ind29        | SPS         | stVal | 047.056    | LOGIC : Output 93     |                       |                           |
| Ind30        | SPS         | stVal | 047.058    | LOGIC : Output 94     |                       |                           |
| Ind31        | SPS         | stVal | 047.060    | LOGIC : Output 95     |                       |                           |
| Ind32        | SPS         | stVal | 047.062    | LOGIC : Output 96     |                       |                           |
| PloGGIO8     | Mod         | INC   | stVal      | 001.228               | IEC : Logik.Mod       |                           |
|              | Beh         | INS   | stVal      | 001.229               | IEC : Logik.Beh       |                           |
|              | Health      | INS   | stVal      | 005.029               | IEC : Healthy         |                           |
|              | NamPlt      |       | LPL        | vendor                | 003.183               | PC : Name of manufacturer |
|              |             |       |            | swRev                 | 002.120               | DVICE : Software version  |
|              | Ind1        | SPS   | stVal      | 047.129               | LOGIC : Output 65 (t) |                           |
|              | Ind2        | SPS   | stVal      | 047.003               | LOGIC : Output 66 (t) |                           |
|              | Ind3        | SPS   | stVal      | 047.005               | LOGIC : Output 67 (t) |                           |
|              | Ind4        | SPS   | stVal      | 047.007               | LOGIC : Output 68 (t) |                           |
|              | Ind5        | SPS   | stVal      | 047.009               | LOGIC : Output 69 (t) |                           |
|              | Ind6        | SPS   | stVal      | 047.011               | LOGIC : Output 70 (t) |                           |
|              | Ind7        | SPS   | stVal      | 047.013               | LOGIC : Output 71 (t) |                           |
| Ind8         | SPS         | stVal | 047.015    | LOGIC : Output 72 (t) |                       |                           |

## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind9        | SPS | stVal      | 047.017 | LOGIC : Output 73 (t)     |
|              | Ind10       | SPS | stVal      | 047.019 | LOGIC : Output 74 (t)     |
|              | Ind11       | SPS | stVal      | 047.021 | LOGIC : Output 75 (t)     |
|              | Ind12       | SPS | stVal      | 047.023 | LOGIC : Output 76 (t)     |
|              | Ind13       | SPS | stVal      | 047.025 | LOGIC : Output 77 (t)     |
|              | Ind14       | SPS | stVal      | 047.027 | LOGIC : Output 78 (t)     |
|              | Ind15       | SPS | stVal      | 047.029 | LOGIC : Output 79 (t)     |
|              | Ind16       | SPS | stVal      | 047.031 | LOGIC : Output 80 (t)     |
|              | Ind17       | SPS | stVal      | 047.033 | LOGIC : Output 81 (t)     |
|              | Ind18       | SPS | stVal      | 047.035 | LOGIC : Output 82 (t)     |
|              | Ind19       | SPS | stVal      | 047.037 | LOGIC : Output 83 (t)     |
|              | Ind20       | SPS | stVal      | 047.039 | LOGIC : Output 84 (t)     |
|              | Ind21       | SPS | stVal      | 047.041 | LOGIC : Output 85 (t)     |
|              | Ind22       | SPS | stVal      | 047.043 | LOGIC : Output 86 (t)     |
|              | Ind23       | SPS | stVal      | 047.045 | LOGIC : Output 87 (t)     |
|              | Ind24       | SPS | stVal      | 047.047 | LOGIC : Output 88 (t)     |
|              | Ind25       | SPS | stVal      | 047.049 | LOGIC : Output 89 (t)     |
|              | Ind26       | SPS | stVal      | 047.051 | LOGIC : Output 90 (t)     |
|              | Ind27       | SPS | stVal      | 047.053 | LOGIC : Output 91 (t)     |
|              | Ind28       | SPS | stVal      | 047.055 | LOGIC : Output 92 (t)     |
|              | Ind29       | SPS | stVal      | 047.057 | LOGIC : Output 93 (t)     |
|              | Ind30       | SPS | stVal      | 047.059 | LOGIC : Output 94 (t)     |
|              | Ind31       | SPS | stVal      | 047.061 | LOGIC : Output 95 (t)     |
|              | Ind32       | SPS | stVal      | 047.063 | LOGIC : Output 96 (t)     |
| PloGGIO9     | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind1        | SPS | stVal      | 047.064 | LOGIC : Output 97         |
|              | Ind2        | SPS | stVal      | 047.066 | LOGIC : Output 98         |
|              | Ind3        | SPS | stVal      | 047.068 | LOGIC : Output 99         |
|              | Ind4        | SPS | stVal      | 047.070 | LOGIC : Output100         |
|              | Ind5        | SPS | stVal      | 047.072 | LOGIC : Output101         |
|              | Ind6        | SPS | stVal      | 047.074 | LOGIC : Output102         |
|              | Ind7        | SPS | stVal      | 047.076 | LOGIC : Output103         |
|              | Ind8        | SPS | stVal      | 047.078 | LOGIC : Output104         |
|              | Ind9        | SPS | stVal      | 047.080 | LOGIC : Output105         |
|              | Ind10       | SPS | stVal      | 047.082 | LOGIC : Output106         |
|              | Ind11       | SPS | stVal      | 047.084 | LOGIC : Output107         |
|              | Ind12       | SPS | stVal      | 047.086 | LOGIC : Output108         |
|              | Ind13       | SPS | stVal      | 047.088 | LOGIC : Output109         |
|              | Ind14       | SPS | stVal      | 047.090 | LOGIC : Output110         |
|              | Ind15       | SPS | stVal      | 047.092 | LOGIC : Output111         |
|              | Ind16       | SPS | stVal      | 047.094 | LOGIC : Output112         |
|              | Ind17       | SPS | stVal      | 047.096 | LOGIC : Output113         |
|              | Ind18       | SPS | stVal      | 047.098 | LOGIC : Output114         |
|              | Ind19       | SPS | stVal      | 047.100 | LOGIC : Output115         |
|              | Ind20       | SPS | stVal      | 047.102 | LOGIC : Output116         |
|              | Ind21       | SPS | stVal      | 047.104 | LOGIC : Output117         |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind22       | SPS | stVal      | 047.106 | LOGIC : Output118         |
|              | Ind23       | SPS | stVal      | 047.108 | LOGIC : Output119         |
|              | Ind24       | SPS | stVal      | 047.110 | LOGIC : Output120         |
|              | Ind25       | SPS | stVal      | 047.112 | LOGIC : Output121         |
|              | Ind26       | SPS | stVal      | 047.114 | LOGIC : Output122         |
|              | Ind27       | SPS | stVal      | 047.116 | LOGIC : Output123         |
|              | Ind28       | SPS | stVal      | 047.118 | LOGIC : Output124         |
|              | Ind29       | SPS | stVal      | 047.120 | LOGIC : Output125         |
|              | Ind30       | SPS | stVal      | 047.122 | LOGIC : Output126         |
|              | Ind31       | SPS | stVal      | 047.124 | LOGIC : Output127         |
|              | Ind32       | SPS | stVal      | 047.126 | LOGIC : Output128         |
| PloGGIO10    | Mod         | INC | stVal      | 001.228 | IEC : Logik.Mod           |
|              | Beh         | INS | stVal      | 001.229 | IEC : Logik.Beh           |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Ind2        | SPS | stVal      | 047.067 | LOGIC : Output 98 (t)     |
|              | Ind3        | SPS | stVal      | 047.069 | LOGIC : Output 99 (t)     |
|              | Ind4        | SPS | stVal      | 047.071 | LOGIC : Output100 (t)     |
|              | Ind5        | SPS | stVal      | 047.073 | LOGIC : Output101 (t)     |
|              | Ind6        | SPS | stVal      | 047.075 | LOGIC : Output102 (t)     |
|              | Ind7        | SPS | stVal      | 047.077 | LOGIC : Output103 (t)     |
|              | Ind8        | SPS | stVal      | 047.079 | LOGIC : Output104 (t)     |
|              | Ind9        | SPS | stVal      | 047.081 | LOGIC : Output105 (t)     |
|              | Ind10       | SPS | stVal      | 047.083 | LOGIC : Output106 (t)     |
|              | Ind11       | SPS | stVal      | 047.085 | LOGIC : Output107 (t)     |
|              | Ind12       | SPS | stVal      | 047.087 | LOGIC : Output108 (t)     |
|              | Ind13       | SPS | stVal      | 047.089 | LOGIC : Output109 (t)     |
|              | Ind14       | SPS | stVal      | 047.091 | LOGIC : Output110 (t)     |
|              | Ind15       | SPS | stVal      | 047.093 | LOGIC : Output111 (t)     |
|              | Ind16       | SPS | stVal      | 047.095 | LOGIC : Output112 (t)     |
|              | Ind17       | SPS | stVal      | 047.097 | LOGIC : Output113 (t)     |
|              | Ind18       | SPS | stVal      | 047.099 | LOGIC : Output114 (t)     |
|              | Ind19       | SPS | stVal      | 047.101 | LOGIC : Output115 (t)     |
|              | Ind20       | SPS | stVal      | 047.103 | LOGIC : Output116 (t)     |
|              | Ind21       | SPS | stVal      | 047.105 | LOGIC : Output117 (t)     |
|              | Ind22       | SPS | stVal      | 047.107 | LOGIC : Output118 (t)     |
|              | Ind23       | SPS | stVal      | 047.109 | LOGIC : Output119 (t)     |
|              | Ind24       | SPS | stVal      | 047.111 | LOGIC : Output120 (t)     |
|              | Ind25       | SPS | stVal      | 047.113 | LOGIC : Output121 (t)     |
|              | Ind26       | SPS | stVal      | 047.115 | LOGIC : Output122 (t)     |
|              | Ind27       | SPS | stVal      | 047.117 | LOGIC : Output123 (t)     |
|              | Ind28       | SPS | stVal      | 047.119 | LOGIC : Output124 (t)     |
|              | Ind29       | SPS | stVal      | 047.121 | LOGIC : Output125 (t)     |
|              | Ind30       | SPS | stVal      | 047.123 | LOGIC : Output126 (t)     |
|              | Ind31       | SPS | stVal      | 047.125 | LOGIC : Output127 (t)     |
|              | Ind32       | SPS | stVal      | 047.127 | LOGIC : Output128 (t)     |
| CtlGGIO1     | Mod         | INC | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |

## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior            |
|              | Ind1        | SPS | stVal      | 226.005 | SIG_1 : Logic signal S001 |
|              | Ind2        | SPS | stVal      | 226.013 | SIG_1 : Logic signal S002 |
|              | Ind3        | SPS | stVal      | 226.021 | SIG_1 : Logic signal S003 |
|              | Ind4        | SPS | stVal      | 226.029 | SIG_1 : Logic signal S004 |
|              | Ind5        | SPS | stVal      | 226.037 | SIG_1 : Logic signal S005 |
|              | Ind6        | SPS | stVal      | 226.045 | SIG_1 : Logic signal S006 |
|              | Ind7        | SPS | stVal      | 226.053 | SIG_1 : Logic signal S007 |
|              | Ind8        | SPS | stVal      | 226.061 | SIG_1 : Logic signal S008 |
|              | Ind9        | SPS | stVal      | 226.069 | SIG_1 : Logic signal S009 |
|              | Ind10       | SPS | stVal      | 226.077 | SIG_1 : Logic signal S010 |
|              | Ind11       | SPS | stVal      | 226.085 | SIG_1 : Logic signal S011 |
|              | Ind12       | SPS | stVal      | 226.093 | SIG_1 : Logic signal S012 |
|              | Ind13       | SPS | stVal      | 226.101 | SIG_1 : Logic signal S013 |
|              | Ind14       | SPS | stVal      | 226.109 | SIG_1 : Logic signal S014 |
|              | Ind15       | SPS | stVal      | 226.117 | SIG_1 : Logic signal S015 |
|              | Ind16       | SPS | stVal      | 226.125 | SIG_1 : Logic signal S016 |
|              | Ind17       | SPS | stVal      | 226.133 | SIG_1 : Logic signal S017 |
|              | Ind18       | SPS | stVal      | 226.141 | SIG_1 : Logic signal S018 |
|              | Ind19       | SPS | stVal      | 226.149 | SIG_1 : Logic signal S019 |
|              | Ind20       | SPS | stVal      | 226.157 | SIG_1 : Logic signal S020 |
|              | Ind21       | SPS | stVal      | 226.165 | SIG_1 : Logic signal S021 |
|              | Ind22       | SPS | stVal      | 226.173 | SIG_1 : Logic signal S022 |
|              | Ind23       | SPS | stVal      | 226.181 | SIG_1 : Logic signal S023 |
|              | Ind24       | SPS | stVal      | 226.189 | SIG_1 : Logic signal S024 |
|              | Ind25       | SPS | stVal      | 226.197 | SIG_1 : Logic signal S025 |
|              | Ind26       | SPS | stVal      | 226.205 | SIG_1 : Logic signal S026 |
|              | Ind27       | SPS | stVal      | 226.213 | SIG_1 : Logic signal S027 |
|              | Ind28       | SPS | stVal      | 226.221 | SIG_1 : Logic signal S028 |
|              | Ind29       | SPS | stVal      | 226.229 | SIG_1 : Logic signal S029 |
|              | Ind30       | SPS | stVal      | 226.237 | SIG_1 : Logic signal S030 |
|              | Ind31       | SPS | stVal      | 226.245 | SIG_1 : Logic signal S031 |
|              | Ind32       | SPS | stVal      | 226.253 | SIG_1 : Logic signal S032 |
|              | Ind33       | SPS | stVal      | 227.005 | SIG_1 : Logic signal S033 |
|              | Ind34       | SPS | stVal      | 227.013 | SIG_1 : Logic signal S034 |
|              | Ind35       | SPS | stVal      | 227.021 | SIG_1 : Logic signal S035 |
|              | Ind36       | SPS | stVal      | 227.029 | SIG_1 : Logic signal S036 |
|              | Ind37       | SPS | stVal      | 227.037 | SIG_1 : Logic signal S037 |
|              | Ind38       | SPS | stVal      | 227.045 | SIG_1 : Logic signal S038 |
|              | Ind39       | SPS | stVal      | 227.053 | SIG_1 : Logic signal S039 |
|              | Ind40       | SPS | stVal      | 227.061 | SIG_1 : Logic signal S040 |
|              | Ind41       | SPS | stVal      | 227.069 | SIG_1 : Logic signal S041 |
|              | Ind42       | SPS | stVal      | 227.077 | SIG_1 : Logic signal S042 |
|              | Ind43       | SPS | stVal      | 227.085 | SIG_1 : Logic signal S043 |
|              | Ind44       | SPS | stVal      | 227.093 | SIG_1 : Logic signal S044 |
|              | Ind45       | SPS | stVal      | 227.101 | SIG_1 : Logic signal S045 |
|              | Ind46       | SPS | stVal      | 227.109 | SIG_1 : Logic signal S046 |
|              | Ind47       | SPS | stVal      | 227.117 | SIG_1 : Logic signal S047 |
|              | Ind48       | SPS | stVal      | 227.125 | SIG_1 : Logic signal S048 |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind49       | SPS | stVal      | 227.133 | SIG_1 : Logic signal S049 |
|              | Ind50       | SPS | stVal      | 227.141 | SIG_1 : Logic signal S050 |
| CtlGGIO2     | Mod         | INC | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior            |
|              | Ind1        | SPS | stVal      | 227.149 | SIG_1 : Logic signal S051 |
|              | Ind2        | SPS | stVal      | 227.157 | SIG_1 : Logic signal S052 |
|              | Ind3        | SPS | stVal      | 227.165 | SIG_1 : Logic signal S053 |
|              | Ind4        | SPS | stVal      | 227.173 | SIG_1 : Logic signal S054 |
|              | Ind5        | SPS | stVal      | 227.181 | SIG_1 : Logic signal S055 |
|              | Ind6        | SPS | stVal      | 227.189 | SIG_1 : Logic signal S056 |
|              | Ind7        | SPS | stVal      | 227.197 | SIG_1 : Logic signal S057 |
|              | Ind8        | SPS | stVal      | 227.205 | SIG_1 : Logic signal S058 |
|              | Ind9        | SPS | stVal      | 227.213 | SIG_1 : Logic signal S059 |
|              | Ind10       | SPS | stVal      | 227.221 | SIG_1 : Logic signal S060 |
|              | Ind11       | SPS | stVal      | 227.229 | SIG_1 : Logic signal S061 |
|              | Ind12       | SPS | stVal      | 227.237 | SIG_1 : Logic signal S062 |
|              | Ind13       | SPS | stVal      | 227.245 | SIG_1 : Logic signal S063 |
|              | Ind14       | SPS | stVal      | 227.253 | SIG_1 : Logic signal S064 |
|              | Ind15       | SPS | stVal      | 228.005 | SIG_1 : Logic signal S065 |
|              | Ind16       | SPS | stVal      | 228.013 | SIG_1 : Logic signal S066 |
|              | Ind17       | SPS | stVal      | 228.021 | SIG_1 : Logic signal S067 |
|              | Ind18       | SPS | stVal      | 228.029 | SIG_1 : Logic signal S068 |
|              | Ind19       | SPS | stVal      | 228.037 | SIG_1 : Logic signal S069 |
|              | Ind20       | SPS | stVal      | 228.045 | SIG_1 : Logic signal S070 |
|              | Ind21       | SPS | stVal      | 228.053 | SIG_1 : Logic signal S071 |
|              | Ind22       | SPS | stVal      | 228.061 | SIG_1 : Logic signal S072 |
|              | Ind23       | SPS | stVal      | 228.069 | SIG_1 : Logic signal S073 |
|              | Ind24       | SPS | stVal      | 228.077 | SIG_1 : Logic signal S074 |
|              | Ind25       | SPS | stVal      | 228.085 | SIG_1 : Logic signal S075 |
|              | Ind26       | SPS | stVal      | 228.093 | SIG_1 : Logic signal S076 |
|              | Ind27       | SPS | stVal      | 228.101 | SIG_1 : Logic signal S077 |
|              | Ind28       | SPS | stVal      | 228.109 | SIG_1 : Logic signal S078 |
|              | Ind29       | SPS | stVal      | 228.117 | SIG_1 : Logic signal S079 |
|              | Ind30       | SPS | stVal      | 228.125 | SIG_1 : Logic signal S080 |
|              | Ind31       | SPS | stVal      | 228.133 | SIG_1 : Logic signal S081 |
|              | Ind32       | SPS | stVal      | 228.141 | SIG_1 : Logic signal S082 |
|              | Ind33       | SPS | stVal      | 228.149 | SIG_1 : Logic signal S083 |
|              | Ind34       | SPS | stVal      | 228.157 | SIG_1 : Logic signal S084 |
|              | Ind35       | SPS | stVal      | 228.165 | SIG_1 : Logic signal S085 |
|              | Ind36       | SPS | stVal      | 228.173 | SIG_1 : Logic signal S086 |
|              | Ind37       | SPS | stVal      | 228.181 | SIG_1 : Logic signal S087 |
|              | Ind38       | SPS | stVal      | 228.189 | SIG_1 : Logic signal S088 |
|              | Ind39       | SPS | stVal      | 228.197 | SIG_1 : Logic signal S089 |
|              | Ind40       | SPS | stVal      | 228.205 | SIG_1 : Logic signal S090 |
|              | Ind41       | SPS | stVal      | 228.213 | SIG_1 : Logic signal S091 |
|              | Ind42       | SPS | stVal      | 228.221 | SIG_1 : Logic signal S092 |
|              | Ind43       | SPS | stVal      | 228.229 | SIG_1 : Logic signal S093 |

## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind44       | SPS | stVal      | 228.237 | SIG_1 : Logic signal S094 |
|              | Ind45       | SPS | stVal      | 228.245 | SIG_1 : Logic signal S095 |
|              | Ind46       | SPS | stVal      | 228.253 | SIG_1 : Logic signal S096 |
|              | Ind47       | SPS | stVal      | 229.005 | SIG_1 : Logic signal S097 |
|              | Ind48       | SPS | stVal      | 229.013 | SIG_1 : Logic signal S098 |
|              | Ind49       | SPS | stVal      | 229.021 | SIG_1 : Logic signal S099 |
|              | Ind50       | SPS | stVal      | 229.029 | SIG_1 : Logic signal S100 |
| CtlGGIO3     | Mod         | INC | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior            |
|              | Ind1        | SPS | stVal      | 229.037 | SIG_1 : Logic signal S101 |
|              | Ind2        | SPS | stVal      | 229.045 | SIG_1 : Logic signal S102 |
|              | Ind3        | SPS | stVal      | 229.053 | SIG_1 : Logic signal S103 |
|              | Ind4        | SPS | stVal      | 229.061 | SIG_1 : Logic signal S104 |
|              | Ind5        | SPS | stVal      | 229.069 | SIG_1 : Logic signal S105 |
|              | Ind6        | SPS | stVal      | 229.077 | SIG_1 : Logic signal S106 |
|              | Ind7        | SPS | stVal      | 229.085 | SIG_1 : Logic signal S107 |
|              | Ind8        | SPS | stVal      | 229.093 | SIG_1 : Logic signal S108 |
|              | Ind9        | SPS | stVal      | 229.101 | SIG_1 : Logic signal S109 |
|              | Ind10       | SPS | stVal      | 229.109 | SIG_1 : Logic signal S110 |
|              | Ind11       | SPS | stVal      | 229.117 | SIG_1 : Logic signal S111 |
|              | Ind12       | SPS | stVal      | 229.125 | SIG_1 : Logic signal S112 |
|              | Ind13       | SPS | stVal      | 229.133 | SIG_1 : Logic signal S113 |
|              | Ind14       | SPS | stVal      | 229.141 | SIG_1 : Logic signal S114 |
|              | Ind15       | SPS | stVal      | 229.149 | SIG_1 : Logic signal S115 |
|              | Ind16       | SPS | stVal      | 229.157 | SIG_1 : Logic signal S116 |
|              | Ind17       | SPS | stVal      | 229.165 | SIG_1 : Logic signal S117 |
|              | Ind18       | SPS | stVal      | 229.173 | SIG_1 : Logic signal S118 |
|              | Ind19       | SPS | stVal      | 229.181 | SIG_1 : Logic signal S119 |
|              | Ind20       | SPS | stVal      | 229.189 | SIG_1 : Logic signal S120 |
|              | Ind21       | SPS | stVal      | 229.197 | SIG_1 : Logic signal S121 |
|              | Ind22       | SPS | stVal      | 229.205 | SIG_1 : Logic signal S122 |
|              | Ind23       | SPS | stVal      | 229.213 | SIG_1 : Logic signal S123 |
|              | Ind24       | SPS | stVal      | 229.221 | SIG_1 : Logic signal S124 |
|              | Ind25       | SPS | stVal      | 229.229 | SIG_1 : Logic signal S125 |
|              | Ind26       | SPS | stVal      | 229.237 | SIG_1 : Logic signal S126 |
|              | Ind27       | SPS | stVal      | 229.245 | SIG_1 : Logic signal S127 |
|              | Ind28       | SPS | stVal      | 229.253 | SIG_1 : Logic signal S128 |
|              | Ind29       | SPS | stVal      | 230.005 | SIG_1 : Logic signal S129 |
|              | Ind30       | SPS | stVal      | 230.013 | SIG_1 : Logic signal S130 |
|              | Ind31       | SPS | stVal      | 230.021 | SIG_1 : Logic signal S131 |
|              | Ind32       | SPS | stVal      | 230.029 | SIG_1 : Logic signal S132 |
|              | Ind33       | SPS | stVal      | 230.037 | SIG_1 : Logic signal S133 |
|              | Ind34       | SPS | stVal      | 230.045 | SIG_1 : Logic signal S134 |
|              | Ind35       | SPS | stVal      | 230.053 | SIG_1 : Logic signal S135 |
|              | Ind36       | SPS | stVal      | 230.061 | SIG_1 : Logic signal S136 |
|              | Ind37       | SPS | stVal      | 230.069 | SIG_1 : Logic signal S137 |
|              | Ind38       | SPS | stVal      | 230.077 | SIG_1 : Logic signal S138 |

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind39       | SPS | stVal      | 230.085 | SIG_1 : Logic signal S139 |
|              | Ind40       | SPS | stVal      | 230.093 | SIG_1 : Logic signal S140 |
|              | Ind41       | SPS | stVal      | 230.101 | SIG_1 : Logic signal S141 |
|              | Ind42       | SPS | stVal      | 230.109 | SIG_1 : Logic signal S142 |
|              | Ind43       | SPS | stVal      | 230.117 | SIG_1 : Logic signal S143 |
|              | Ind44       | SPS | stVal      | 230.125 | SIG_1 : Logic signal S144 |
|              | Ind45       | SPS | stVal      | 230.133 | SIG_1 : Logic signal S145 |
|              | Ind46       | SPS | stVal      | 230.141 | SIG_1 : Logic signal S146 |
|              | Ind47       | SPS | stVal      | 230.149 | SIG_1 : Logic signal S147 |
|              | Ind48       | SPS | stVal      | 230.157 | SIG_1 : Logic signal S148 |
|              | Ind49       | SPS | stVal      | 230.165 | SIG_1 : Logic signal S149 |
|              | Ind50       | SPS | stVal      | 230.173 | SIG_1 : Logic signal S150 |
| CtlGGIO4     | Mod         | INC | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior            |
|              | Ind1        | SPS | stVal      | 230.181 | SIG_1 : Logic signal S151 |
|              | Ind2        | SPS | stVal      | 230.189 | SIG_1 : Logic signal S152 |
|              | Ind3        | SPS | stVal      | 230.197 | SIG_1 : Logic signal S153 |
|              | Ind4        | SPS | stVal      | 230.205 | SIG_1 : Logic signal S154 |
|              | Ind5        | SPS | stVal      | 230.213 | SIG_1 : Logic signal S155 |
|              | Ind6        | SPS | stVal      | 230.221 | SIG_1 : Logic signal S156 |
|              | Ind7        | SPS | stVal      | 230.229 | SIG_1 : Logic signal S157 |
|              | Ind8        | SPS | stVal      | 230.237 | SIG_1 : Logic signal S158 |
|              | Ind9        | SPS | stVal      | 230.245 | SIG_1 : Logic signal S159 |
|              | Ind10       | SPS | stVal      | 230.253 | SIG_1 : Logic signal S160 |
|              | Ind11       | SPS | stVal      | 231.005 | SIG_1 : Logic signal S161 |
|              | Ind12       | SPS | stVal      | 231.013 | SIG_1 : Logic signal S162 |
|              | Ind13       | SPS | stVal      | 231.021 | SIG_1 : Logic signal S163 |
|              | Ind14       | SPS | stVal      | 231.029 | SIG_1 : Logic signal S164 |
|              | Ind15       | SPS | stVal      | 231.037 | SIG_1 : Logic signal S165 |
|              | Ind16       | SPS | stVal      | 231.045 | SIG_1 : Logic signal S166 |
|              | Ind17       | SPS | stVal      | 231.053 | SIG_1 : Logic signal S167 |
|              | Ind18       | SPS | stVal      | 231.061 | SIG_1 : Logic signal S168 |
|              | Ind19       | SPS | stVal      | 231.069 | SIG_1 : Logic signal S169 |
|              | Ind20       | SPS | stVal      | 231.077 | SIG_1 : Logic signal S170 |
|              | Ind21       | SPS | stVal      | 231.085 | SIG_1 : Logic signal S171 |
|              | Ind22       | SPS | stVal      | 231.093 | SIG_1 : Logic signal S172 |
|              | Ind23       | SPS | stVal      | 231.101 | SIG_1 : Logic signal S173 |
|              | Ind24       | SPS | stVal      | 231.109 | SIG_1 : Logic signal S174 |
|              | Ind25       | SPS | stVal      | 231.117 | SIG_1 : Logic signal S175 |
|              | Ind26       | SPS | stVal      | 231.125 | SIG_1 : Logic signal S176 |
|              | Ind27       | SPS | stVal      | 231.133 | SIG_1 : Logic signal S177 |
|              | Ind28       | SPS | stVal      | 231.141 | SIG_1 : Logic signal S178 |
|              | Ind29       | SPS | stVal      | 231.149 | SIG_1 : Logic signal S179 |
|              | Ind30       | SPS | stVal      | 231.157 | SIG_1 : Logic signal S180 |
|              | Ind31       | SPS | stVal      | 231.165 | SIG_1 : Logic signal S181 |
|              | Ind32       | SPS | stVal      | 231.173 | SIG_1 : Logic signal S182 |
|              | Ind33       | SPS | stVal      | 231.181 | SIG_1 : Logic signal S183 |



## Logical Device: System

| Logical Node | Data Object | CDC | Data Attr. | Address | Description               |
|--------------|-------------|-----|------------|---------|---------------------------|
|              | Ind34       | SPS | stVal      | 231.189 | SIG_1 : Logic signal S184 |
|              | Ind35       | SPS | stVal      | 231.197 | SIG_1 : Logic signal S185 |
|              | Ind36       | SPS | stVal      | 231.205 | SIG_1 : Logic signal S186 |
|              | Ind37       | SPS | stVal      | 231.213 | SIG_1 : Logic signal S187 |
|              | Ind38       | SPS | stVal      | 231.221 | SIG_1 : Logic signal S188 |
|              | Ind39       | SPS | stVal      | 231.229 | SIG_1 : Logic signal S189 |
|              | Ind40       | SPS | stVal      | 231.237 | SIG_1 : Logic signal S190 |
|              | Ind41       | SPS | stVal      | 231.245 | SIG_1 : Logic signal S191 |
|              | Ind42       | SPS | stVal      | 231.253 | SIG_1 : Logic signal S192 |
|              | Ind43       | SPS | stVal      | 232.005 | SIG_1 : Logic signal S193 |
|              | Ind44       | SPS | stVal      | 232.013 | SIG_1 : Logic signal S194 |
|              | Ind45       | SPS | stVal      | 232.021 | SIG_1 : Logic signal S195 |
|              | Ind46       | SPS | stVal      | 232.029 | SIG_1 : Logic signal S196 |
|              | Ind47       | SPS | stVal      | 232.037 | SIG_1 : Logic signal S197 |
|              | Ind48       | SPS | stVal      | 232.045 | SIG_1 : Logic signal S198 |
|              | Ind49       | SPS | stVal      | 232.053 | SIG_1 : Logic signal S199 |
|              | Ind50       | SPS | stVal      | 232.061 | SIG_1 : Logic signal S200 |
| CtlGGIO5     | Mod         | INC | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |     | swRev      | 002.120 | DVICE : Software version  |
|              | Beh         | INS | stVal      | 005.028 | IEC : Behavior            |
|              | Ind1        | SPS | stVal      | 232.069 | SIG_1 : Logic signal S201 |
|              | Ind2        | SPS | stVal      | 232.077 | SIG_1 : Logic signal S202 |
|              | Ind3        | SPS | stVal      | 232.085 | SIG_1 : Logic signal S203 |
|              | Ind4        | SPS | stVal      | 232.093 | SIG_1 : Logic signal S204 |
|              | Ind5        | SPS | stVal      | 232.101 | SIG_1 : Logic signal S205 |
|              | Ind6        | SPS | stVal      | 232.109 | SIG_1 : Logic signal S206 |
|              | Ind7        | SPS | stVal      | 232.117 | SIG_1 : Logic signal S207 |
|              | Ind8        | SPS | stVal      | 232.125 | SIG_1 : Logic signal S208 |
|              | Ind9        | SPS | stVal      | 232.133 | SIG_1 : Logic signal S209 |
|              | Ind10       | SPS | stVal      | 232.141 | SIG_1 : Logic signal S210 |
|              | Ind11       | SPS | stVal      | 232.149 | SIG_1 : Logic signal S211 |
|              | Ind12       | SPS | stVal      | 232.157 | SIG_1 : Logic signal S212 |
|              | Ind13       | SPS | stVal      | 232.165 | SIG_1 : Logic signal S213 |
|              | Ind14       | SPS | stVal      | 232.173 | SIG_1 : Logic signal S214 |
|              | Ind15       | SPS | stVal      | 232.181 | SIG_1 : Logic signal S215 |
|              | Ind16       | SPS | stVal      | 232.189 | SIG_1 : Logic signal S216 |
|              | Ind17       | SPS | stVal      | 232.197 | SIG_1 : Logic signal S217 |
|              | Ind18       | SPS | stVal      | 232.205 | SIG_1 : Logic signal S218 |
|              | Ind19       | SPS | stVal      | 232.213 | SIG_1 : Logic signal S219 |
|              | Ind20       | SPS | stVal      | 232.221 | SIG_1 : Logic signal S220 |
|              | Ind21       | SPS | stVal      | 232.229 | SIG_1 : Logic signal S221 |
|              | Ind22       | SPS | stVal      | 232.237 | SIG_1 : Logic signal S222 |
|              | Ind23       | SPS | stVal      | 232.245 | SIG_1 : Logic signal S223 |
|              | Ind24       | SPS | stVal      | 232.253 | SIG_1 : Logic signal S224 |
| RtdGGIO1     | Mod         | INC | stVal      | 006.104 | IEC : RtdGGIO.Mode        |
|              | Beh         | INS | stVal      | 006.105 | IEC : RtdGGIO.Beh         |
|              | Health      | INS | stVal      | 006.106 | IEC : RtdGGIO.Health      |
|              | NamPlt      | LPL | vendor     | 003.183 | PC : Name of manufacturer |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description                  |
|--------------|-------------|------|------------|---------|------------------------------|
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | AnIn1       | MV   | mag        | 004.133 | MEASI : Temperature          |
|              | AnIn2       | MV   | mag        | 004.233 | MEASI : Temperature Tmax     |
|              | AnIn3       | MV   | mag        | 004.221 | MEASI : Temperature p.u.     |
| IdcGGIO1     | Mod         | INC  | stVal      | 006.107 | IEC : IdcGGIO.Mode           |
|              | Beh         | INS  | stVal      | 006.108 | IEC : IdcGGIO.Beh            |
|              | Health      | INS  | stVal      | 006.109 | IEC : IdcGGIO.Health         |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | AnIn1       | MV   | mag        | 004.134 | MEASI : Current IDC          |
|              | AnIn2       | MV   | mag        | 004.180 | MEASI : Scaled value IDC,lin |
| LPHD1        | PhyHealth   | INS  | stVal      | 005.029 | IEC : Healthy                |
|              | PhyNam      | INC  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | hwRev      | -       |                              |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              |             |      | serNum     | 002.124 | DVICE : F number             |
|              | Proxy       | INS  | stVal      | -       |                              |
| CtlGGIO6     | Mod         | INC  | stVal      | 005.027 | IEC : Mode                   |
|              | Health      | INS  | stVal      | 005.029 | IEC : Healthy                |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer    |
|              |             |      | swRev      | 002.120 | DVICE : Software version     |
|              | Beh         | INS  | stVal      | 005.028 | IEC : Behavior               |
|              | SPCS01      | OPER | ctlModel   | -       |                              |
|              | SPCS01Oper  | OPER | ctlVal     | 200.001 | CMD_1 : Command C001         |
|              |             |      | origin     | -       |                              |
|              |             |      | ctlNum     | -       |                              |
|              |             |      | T          | -       |                              |
|              |             |      | Test       | -       |                              |
|              |             |      | Check      | -       |                              |
|              | SPCS02      | OPER | ctlModel   | -       |                              |
|              | SPCS02Oper  | OPER | ctlVal     | 200.006 | CMD_1 : Command C002         |
|              |             |      | origin     | -       |                              |
|              |             |      | ctlNum     | -       |                              |
|              |             |      | T          | -       |                              |
|              |             |      | Test       | -       |                              |
|              |             |      | Check      | -       |                              |
|              | SPCS03      | OPER | ctlModel   | -       |                              |
|              | SPCS03Oper  | OPER | ctlVal     | 200.011 | CMD_1 : Command C003         |
|              |             |      | origin     | -       |                              |
|              |             |      | ctlNum     | -       |                              |
|              |             |      | T          | -       |                              |
|              |             |      | Test       | -       |                              |
|              |             |      | Check      | -       |                              |
|              | SPCS04      | OPER | ctlModel   | -       |                              |
|              | SPCS04Oper  | OPER | ctlVal     | 200.016 | CMD_1 : Command C004         |
|              |             |      | origin     | -       |                              |
|              |             |      | ctlNum     | -       |                              |
|              |             |      | T          | -       |                              |
|              |             |      | Test       | -       |                              |
|              |             |      | Check      | -       |                              |

## Logical Device: System

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              | SPCS05      | OPER | ctlModel   | -       |                      |
|              | SPCS05Oper  | OPER | ctlVal     | 200.021 | CMD_1 : Command C005 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS06      | OPER | ctlModel   | -       |                      |
|              | SPCS06Oper  | OPER | ctlVal     | 200.026 | CMD_1 : Command C006 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS07      | OPER | ctlModel   | -       |                      |
|              | SPCS07Oper  | OPER | ctlVal     | 200.031 | CMD_1 : Command C007 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS08      | OPER | ctlModel   | -       |                      |
|              | SPCS08Oper  | OPER | ctlVal     | 200.036 | CMD_1 : Command C008 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS09      | OPER | ctlModel   | -       |                      |
|              | SPCS09Oper  | OPER | ctlVal     | 200.041 | CMD_1 : Command C009 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS010     | OPER | ctlModel   | -       |                      |
|              | SPCS010Oper | OPER | ctlVal     | 200.046 | CMD_1 : Command C010 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS011     | OPER | ctlModel   | -       |                      |
|              | SPCS011Oper | OPER | ctlVal     | 200.051 | CMD_1 : Command C011 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS012     | OPER | ctlModel   | -       |                      |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              | SPCS012Oper | OPER | ctlVal     | 200.056 | CMD_1 : Command C012 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS013     | OPER | ctlModel   | -       |                      |
|              | SPCS013Oper | OPER | ctlVal     | 200.061 | CMD_1 : Command C013 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS014     | OPER | ctlModel   | -       |                      |
|              | SPCS014Oper | OPER | ctlVal     | 200.066 | CMD_1 : Command C014 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS015     | OPER | ctlModel   | -       |                      |
|              | SPCS015Oper | OPER | ctlVal     | 200.071 | CMD_1 : Command C015 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS016     | OPER | ctlModel   | -       |                      |
|              | SPCS016Oper | OPER | ctlVal     | 200.076 | CMD_1 : Command C016 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS017     | OPER | ctlModel   | -       |                      |
|              | SPCS017Oper | OPER | ctlVal     | 200.081 | CMD_1 : Command C017 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS018     | OPER | ctlModel   | -       |                      |
|              | SPCS018Oper | OPER | ctlVal     | 200.086 | CMD_1 : Command C018 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS019     | OPER | ctlModel   | -       |                      |
|              | SPCS019Oper | OPER | ctlVal     | 200.091 | CMD_1 : Command C019 |

Logical Device: System

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO20     | OPER | ctlModel   | -       |                      |
|              | SPCSO20Oper | OPER | ctlVal     | 200.096 | CMD_1 : Command C020 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO21     | OPER | ctlModel   | -       |                      |
|              | SPCSO21Oper | OPER | ctlVal     | 200.101 | CMD_1 : Command C021 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO22     | OPER | ctlModel   | -       |                      |
|              | SPCSO22Oper | OPER | ctlVal     | 200.101 | CMD_1 : Command C021 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO23     | OPER | ctlModel   | -       |                      |
|              | SPCSO23Oper | OPER | ctlVal     | 200.111 | CMD_1 : Command C023 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO24     | OPER | ctlModel   | -       |                      |
|              | SPCSO24Oper | OPER | ctlVal     | 200.116 | CMD_1 : Command C024 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO25     | OPER | ctlModel   | -       |                      |
|              | SPCSO25Oper | OPER | ctlVal     | 200.121 | CMD_1 : Command C025 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO26     | OPER | ctlModel   | -       |                      |
|              | SPCSO26Oper | OPER | ctlVal     | 200.126 | CMD_1 : Command C026 |
|              |             |      | origin     | -       |                      |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description               |
|--------------|-------------|------|------------|---------|---------------------------|
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO27     | OPER | ctlModel   | -       |                           |
|              | SPCSO27Oper | OPER | ctlVal     | 200.131 | CMD_1 : Command C027      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO28     | OPER | ctlModel   | -       |                           |
|              | SPCSO28Oper | OPER | ctlVal     | 200.136 | CMD_1 : Command C028      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO29     | OPER | ctlModel   | -       |                           |
|              | SPCSO29Oper | OPER | ctlVal     | 200.141 | CMD_1 : Command C029      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO30     | OPER | ctlModel   | -       |                           |
|              | SPCSO30Oper | OPER | ctlVal     | 200.146 | CMD_1 : Command C030      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
| CtlGGIO7     | Mod         | INC  | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS  | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer |
|              |             |      | swRev      | 002.120 | DVICE : Software version  |
|              | Beh         | INS  | stVal      | 005.028 | IEC : Behavior            |
|              | SPCSO1      | OPER | ctlModel   | -       |                           |
|              | SPCSO1Oper  | OPER | ctlVal     | 200.151 | CMD_1 : Command C031      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO2      | OPER | ctlModel   | -       |                           |
|              | SPCSO2Oper  | OPER | ctlVal     | 200.156 | CMD_1 : Command C032      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |

## Logical Device: System

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              |             |      | Check      | -       |                      |
|              | SPCS03      | OPER | ctlModel   | -       |                      |
|              | SPCS03Oper  | OPER | ctlVal     | 200.161 | CMD_1 : Command C033 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS04      | OPER | ctlModel   | -       |                      |
|              | SPCS04Oper  | OPER | ctlVal     | 200.166 | CMD_1 : Command C034 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS05      | OPER | ctlModel   | -       |                      |
|              | SPCS05Oper  | OPER | ctlVal     | 200.171 | CMD_1 : Command C035 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS06      | OPER | ctlModel   | -       |                      |
|              | SPCS06Oper  | OPER | ctlVal     | 200.176 | CMD_1 : Command C036 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS07      | OPER | ctlModel   | -       |                      |
|              | SPCS07Oper  | OPER | ctlVal     | 200.181 | CMD_1 : Command C037 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS08      | OPER | ctlModel   | -       |                      |
|              | SPCS08Oper  | OPER | ctlVal     | 200.186 | CMD_1 : Command C038 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS09      | OPER | ctlModel   | -       |                      |
|              | SPCS09Oper  | OPER | ctlVal     | 200.191 | CMD_1 : Command C039 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              | SPCS010     | OPER | ctlModel   | -       |                      |
|              | SPCS010Oper | OPER | ctlVal     | 200.196 | CMD_1 : Command C040 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS011     | OPER | ctlModel   | -       |                      |
|              | SPCS011Oper | OPER | ctlVal     | 200.201 | CMD_1 : Command C041 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS012     | OPER | ctlModel   | -       |                      |
|              | SPCS012Oper | OPER | ctlVal     | 200.206 | CMD_1 : Command C042 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS013     | OPER | ctlModel   | -       |                      |
|              | SPCS013Oper | OPER | ctlVal     | 200.211 | CMD_1 : Command C043 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS014     | OPER | ctlModel   | -       |                      |
|              | SPCS014Oper | OPER | ctlVal     | 200.216 | CMD_1 : Command C044 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS015     | OPER | ctlModel   | -       |                      |
|              | SPCS015Oper | OPER | ctlVal     | 200.221 | CMD_1 : Command C045 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS016     | OPER | ctlModel   | -       |                      |
|              | SPCS016Oper | OPER | ctlVal     | 200.226 | CMD_1 : Command C046 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS017     | OPER | ctlModel   | -       |                      |



## Logical Device: System

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              | SPCS017Oper | OPER | ctlVal     | 200.231 | CMD_1 : Command C047 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS018     | OPER | ctlModel   | -       |                      |
|              | SPCS018Oper | OPER | ctlVal     | 200.236 | CMD_1 : Command C048 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS019     | OPER | ctlModel   | -       |                      |
|              | SPCS019Oper | OPER | ctlVal     | 201.001 | CMD_1 : Command C049 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS020     | OPER | ctlModel   | -       |                      |
|              | SPCS020Oper | OPER | ctlVal     | 201.006 | CMD_1 : Command C050 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS021     | OPER | ctlModel   | -       |                      |
|              | SPCS021Oper | OPER | ctlVal     | 201.011 | CMD_1 : Command C051 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS022     | OPER | ctlModel   | -       |                      |
|              | SPCS022Oper | OPER | ctlVal     | 201.016 | CMD_1 : Command C052 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS023     | OPER | ctlModel   | -       |                      |
|              | SPCS023Oper | OPER | ctlVal     | 201.021 | CMD_1 : Command C053 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS024     | OPER | ctlModel   | -       |                      |
|              | SPCS024Oper | OPER | ctlVal     | 201.026 | CMD_1 : Command C054 |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description               |
|--------------|-------------|------|------------|---------|---------------------------|
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO25     | OPER | ctlModel   | -       |                           |
|              | SPCSO25Oper | OPER | ctlVal     | 201.031 | CMD_1 : Command C055      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO26     | OPER | ctlModel   | -       |                           |
|              | SPCSO26Oper | OPER | ctlVal     | 201.036 | CMD_1 : Command C056      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO27     | OPER | ctlModel   | -       |                           |
|              | SPCSO27Oper | OPER | ctlVal     | 201.041 | CMD_1 : Command C057      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO28     | OPER | ctlModel   | -       |                           |
|              | SPCSO28Oper | OPER | ctlVal     | 201.046 | CMD_1 : Command C058      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO29     | OPER | ctlModel   | -       |                           |
|              | SPCSO29Oper | OPER | ctlVal     | 201.051 | CMD_1 : Command C059      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
|              | SPCSO30     | OPER | ctlModel   | -       |                           |
|              | SPCSO30Oper | OPER | ctlVal     | 201.056 | CMD_1 : Command C060      |
|              |             |      | origin     | -       |                           |
|              |             |      | ctlNum     | -       |                           |
|              |             |      | T          | -       |                           |
|              |             |      | Test       | -       |                           |
|              |             |      | Check      | -       |                           |
| CtlGGIO8     | Mod         | INC  | stVal      | 005.027 | IEC : Mode                |
|              | Health      | INS  | stVal      | 005.029 | IEC : Healthy             |
|              | NamPlt      | LPL  | vendor     | 003.183 | PC : Name of manufacturer |

## Logical Device: System

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description              |
|--------------|-------------|------|------------|---------|--------------------------|
|              |             |      | swRev      | 002.120 | DVICE : Software version |
|              | Beh         | INS  | stVal      | 005.028 | IEC : Behavior           |
|              | SPCS01      | OPER | ctlModel   | -       |                          |
|              | SPCS01Oper  | OPER | ctlVal     | 201.061 | CMD_1 : Command C061     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |
|              |             |      | Check      | -       |                          |
|              | SPCS02      | OPER | ctlModel   | -       |                          |
|              | SPCS02Oper  | OPER | ctlVal     | 201.066 | CMD_1 : Command C062     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |
|              |             |      | Check      | -       |                          |
|              | SPCS03      | OPER | ctlModel   | -       |                          |
|              | SPCS03Oper  | OPER | ctlVal     | 201.071 | CMD_1 : Command C063     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |
|              |             |      | Check      | -       |                          |
|              | SPCS04      | OPER | ctlModel   | -       |                          |
|              | SPCS04Oper  | OPER | ctlVal     | 201.076 | CMD_1 : Command C064     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |
|              |             |      | Check      | -       |                          |
|              | SPCS05      | OPER | ctlModel   | -       |                          |
|              | SPCS05Oper  | OPER | ctlVal     | 201.081 | CMD_1 : Command C065     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |
|              |             |      | Check      | -       |                          |
|              | SPCS06      | OPER | ctlModel   | -       |                          |
|              | SPCS06Oper  | OPER | ctlVal     | 201.086 | CMD_1 : Command C066     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |
|              |             |      | Check      | -       |                          |
|              | SPCS07      | OPER | ctlModel   | -       |                          |
|              | SPCS07Oper  | OPER | ctlVal     | 201.091 | CMD_1 : Command C067     |
|              |             |      | origin     | -       |                          |
|              |             |      | ctlNum     | -       |                          |
|              |             |      | T          | -       |                          |
|              |             |      | Test       | -       |                          |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              |             |      | Check      | -       |                      |
|              | SPCS08      | OPER | ctlModel   | -       |                      |
|              | SPCS08Oper  | OPER | ctlVal     | 201.096 | CMD_1 : Command C068 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS09      | OPER | ctlModel   | -       |                      |
|              | SPCS09Oper  | OPER | ctlVal     | 201.101 | CMD_1 : Command C069 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS010     | OPER | ctlModel   | -       |                      |
|              | SPCS010Oper | OPER | ctlVal     | 201.106 | CMD_1 : Command C070 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS011     | OPER | ctlModel   | -       |                      |
|              | SPCS011Oper | OPER | ctlVal     | 201.111 | CMD_1 : Command C071 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS012     | OPER | ctlModel   | -       |                      |
|              | SPCS012Oper | OPER | ctlVal     | 201.116 | CMD_1 : Command C072 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS013     | OPER | ctlModel   | -       |                      |
|              | SPCS013Oper | OPER | ctlVal     | 201.121 | CMD_1 : Command C073 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS014     | OPER | ctlModel   | -       |                      |
|              | SPCS014Oper | OPER | ctlVal     | 201.126 | CMD_1 : Command C074 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |

## Logical Device: System

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              | SPCS015     | OPER | ctlModel   | -       |                      |
|              | SPCS015Oper | OPER | ctlVal     | 201.131 | CMD_1 : Command C075 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS016     | OPER | ctlModel   | -       |                      |
|              | SPCS016Oper | OPER | ctlVal     | 201.136 | CMD_1 : Command C076 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS017     | OPER | ctlModel   | -       |                      |
|              | SPCS017Oper | OPER | ctlVal     | 201.141 | CMD_1 : Command C077 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS018     | OPER | ctlModel   | -       |                      |
|              | SPCS018Oper | OPER | ctlVal     | 201.146 | CMD_1 : Command C078 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS019     | OPER | ctlModel   | -       |                      |
|              | SPCS019Oper | OPER | ctlVal     | 201.151 | CMD_1 : Command C079 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS020     | OPER | ctlModel   | -       |                      |
|              | SPCS020Oper | OPER | ctlVal     | 201.156 | CMD_1 : Command C080 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS021     | OPER | ctlModel   | -       |                      |
|              | SPCS021Oper | OPER | ctlVal     | 201.161 | CMD_1 : Command C081 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCS022     | OPER | ctlModel   | -       |                      |

| Logical Node | Data Object | CDC  | Data Attr. | Address | Description          |
|--------------|-------------|------|------------|---------|----------------------|
|              | SPCSO22Oper | OPER | ctlVal     | 201.166 | CMD_1 : Command C082 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO23     | OPER | ctlModel   | -       |                      |
|              | SPCSO23Oper | OPER | ctlVal     | 201.171 | CMD_1 : Command C083 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO24     | OPER | ctlModel   | -       |                      |
|              | SPCSO24Oper | OPER | ctlVal     | 201.176 | CMD_1 : Command C084 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO25     | OPER | ctlModel   | -       |                      |
|              | SPCSO25Oper | OPER | ctlVal     | 201.181 | CMD_1 : Command C085 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO26     | OPER | ctlModel   | -       |                      |
|              | SPCSO26Oper | OPER | ctlVal     | 201.186 | CMD_1 : Command C086 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO27     | OPER | ctlModel   | -       |                      |
|              | SPCSO27Oper | OPER | ctlVal     | 201.191 | CMD_1 : Command C087 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |
|              | SPCSO28     | OPER | ctlModel   | -       |                      |
|              | SPCSO28Oper | OPER | ctlVal     | 201.196 | CMD_1 : Command C088 |
|              |             |      | origin     | -       |                      |
|              |             |      | ctlNum     | -       |                      |
|              |             |      | T          | -       |                      |
|              |             |      | Test       | -       |                      |
|              |             |      | Check      | -       |                      |

Logical Device: System

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