MiCOM P139

Feeder Management and Bay Control Unit

Address Assignment List

This document does not replace the Technical Manual

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Schneider Electric

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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	-	
	Beh	INS	stVal	005.028	IEC : Behavior
	Health	INS	stVal	-	
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
			configRev	-	
	Loc	SPS	stVal	-	
	Lock	SPS	stVal	-	
	OrdRun	SPS	stVal	-	
CILO1	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	210.047	DEV01 : Function group DEV01
CILO2	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	210.097	DEV02 : Function group DEV02
CILO3	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	210.147	DEV03 : Function group DEV03
CILO4	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	LnCfg	ACT	general	210.197	DEV04 : Function group DEV04
CILO5	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	210.247	DEV05 : Function group DEV05
CILO6	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	211.047	DEV06 : Function group DEV06
CILO7	Mod	INC	stVal	211.097	DEV07 : Function group DEV07
			ctlModel	-	
	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	ACT	general	211.097	DEV07 : Function group DEV07
CILO8	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	211.147	DEV08 : Function group DEV08
CILO9	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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	211.197	DEV09 : Function group DEV09
CILO10	Mod	INC	stVal	211.247	DEV10 : Function group DEV10
			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
	EnaOpn	SPS	stVal	-	
	EnaCls	SPS	stVal	-	
	LnCfg	ACT	general	211.247	DEV10 : Function group DEV10
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	origin	-	
			stVal	210.018	DEV01 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	-	
	LnCfg	ACT	general	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	origin	-	
			stVal	210.068	DEV02 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	210.078	DEV02 : Open command
			origin	-	
			ctlNum	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			T	-	
			Test	-	
			Check	-	
	PosSBOw	SBOW	ctlVal	210.078	DEV02 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosCancel	CANCEL	ctlVal	-	
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	LnCfg	ACT	general	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	origin	-	
			stVal	210.118	DEV03 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	-	
	LnCfg	ACT	general	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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			swRev	002.120	DVICE : Software version
	Loc	SPS	stVal	-	
	Pos	DPC	origin	-	
			stVal	210.168	DEV04 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	ACT	general	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	origin	-	
			stVal	210.218	DEV05 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	LnCfg	ACT	general	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	origin	-	
			stVal	211.018	DEV06 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	ACT	general	211.047	DEV06 : Function group DEV06
CSWI7	Mod	INC	stVal	211.097	DEV07 : Function group DEV07
			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	origin	-	
			stVal	211.068	DEV07 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	211.078	DEV07 : Open command
			origin	-	
			ctlNum	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			T	-	
			Test	-	
			Check	-	
	PosSBOw	SBOW	ctlVal	211.078	DEV07 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosCancel	CANCEL	ctlVal	-	
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	LnCfg	ACT	general	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	origin	-	
			stVal	211.118	DEV08 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	-	
	LnCfg	ACT	general	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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			swRev	002.120	DVICE : Software version
	Loc	SPS	stVal	-	
	Pos	DPC	origin	-	
			stVal	211.168	DEV09 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	ACT	general	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	origin	-	
			stVal	211.218	DEV10 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	211.228	DEV10 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosSBOw	SBOW	ctlVal	211.228	DEV10 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosCancel	CANCEL	ctlVal	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	LnCfg	ACT	general	211.247	DEV10 : Function group DEV10
LPHD1	PhyNam	DPL	vendor	003.183	PC : Name of manufacturer
			hwRev	-	
			swRev	002.120	DVICE : Software version
			serNum	002.124	DVICE : F number
	PhyHealth	INS	stVal	005.029	IEC : Healthy
	Proxy	INS	stVal	-	
RREC1	Mod	INC	stVal	000.220	IEC : RREC.Beh
	ModOper	OPER	ctlVal	015.060	ARC : General enable USER
	Beh	INS	stVal	000.219	IEC : RREC.Mod
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Op	ACT	general	037.009	MAIN : Close command
	AutoRecSt	INS	stVal	000.221	IEC : RREC.STAT
	RecHsr	ACT	general	037.007	ARC : (Re)close signal HSR
	RecTdr	ACT	general	037.006	ARC : (Re)close signal TDR
	Blk	SPS	stVal	036.050	ARC : Blocking EXT
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 : Volt. magnit. diff.
	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
	Blk	SPS	stVal	037.048	ASC : Blocking EXT
XCBR1	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	origin	-	
			stVal	210.018	DEV01 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	210.028	DEV01 : Open command

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			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	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	SumSwARsA	BCR	actVal	009.071	CBM : ΣItrip A
	SumSwARsB	BCR	actVal	009.073	CBM : ΣItrip B
	SumSwARsC	BCR	actVal	009.076	CBM : ΣItrip C
	CBOpCap	INS	stVal	221.087	MAIN : CB1 act. oper. cap.
	MaxOpCap	INS	stVal	221.084	MAIN : CB1 max. oper. cap.
	CBTripped	SPS	stVal	-	
	LnCfg	ACT	general	221.092	MAIN : XCBR1 available
XCBR2	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	210.097	DEV02 : Function group DEV02
	Pos	DPC	origin	-	
			stVal	210.068	DEV02 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	210.078	DEV02 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosSBOw	SBOW	ctlVal	210.078	DEV02 : Open command
			origin	-	
			ctlNum	-	
			T	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			Test	-	
			Check	-	
	PosCancel	CANCEL	ctlVal	-	
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	BlkOpn	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	CBOpCap	INS	stVal	221.091	MAIN : CB2 act. oper. cap.
	MaxOpCap	INS	stVal	221.088	MAIN : CB2 max. oper. cap.
	LnCfg	ACT	general	221.093	MAIN : XCBR2 available
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	origin	-	
			stVal	210.018	DEV01 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	SwTyp	INS	stVal	210.001	DEV01 : Type of ext. device
	SwOpCap	INS	stVal	210.003	DEV01 : Dev. op. capability

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	MaxOpCap	INS	stVal	210.027	DEV01 : Stat.ind.interm.pos.
	LnCfg	ACT	general	221.094	MAIN : XSWI1 available
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	origin	-	
			stVal	210.068	DEV02 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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
	LnCfg	ACT	general	221.095	MAIN : XSWI2 available
XSWI3	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	-	
	OpCnt	INS	stVal	210.143	DEV03 : Operation counter
	Pos	DPC	origin	-	
			stVal	210.118	DEV03 : Control state

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	210.147	DEV03 : Function group DEV03
XSWI4	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	-	
	OpCnt	INS	stVal	210.193	DEV04 : Operation counter
	Pos	DPC	origin	-	
			stVal	210.168	DEV04 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	210.178	DEV04 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosSBOw	SBOW	ctlVal	210.178	DEV04 : Open command
			origin	-	
			ctlNum	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			T	-	
			Test	-	
			Check	-	
	PosCancel	CANCEL	ctlVal	-	
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	BlkOpn	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	210.197	DEV04 : Function group DEV04
XSWI5	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	-	
	OpCnt	INS	stVal	210.243	DEV05 : Operation counter
	Pos	DPC	origin	-	
			stVal	210.218	DEV05 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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	ACT	general	210.247	DEV05 : Function group DEV05
XSWI6	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	-	
	OpCnt	INS	stVal	211.043	DEV06 : Operation counter
	Pos	DPC	origin	-	
			stVal	211.018	DEV06 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	211.047	DEV06 : Function group DEV06
XSWI7	Mod	INC	stVal	211.097	DEV07 : Function group DEV07
			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	211.093	DEV07 : Operation counter

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	Pos	DPC	origin	-	
			stVal	211.068	DEV07 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	-	
	BlkOpn	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	211.097	DEV07 : Function group DEV07
XSWI8	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	-	
	OpCnt	INS	stVal	211.143	DEV08 : Operation counter
	Pos	DPC	origin	-	
			stVal	211.118	DEV08 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	211.128	DEV08 : Open command
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosSBOw	SBOW	ctlVal	211.128	DEV08 : Open command

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	PosCancel	CANCEL	ctlVal	-	
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
	BlkOpn	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	211.147	DEV08 : Function group DEV08
XSWI9	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	-	
	OpCnt	INS	stVal	211.193	DEV09 : Operation counter
	Pos	DPC	origin	-	
			stVal	211.168	DEV09 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	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	SPS	stVal	-	
			ctlModel	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	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	211.242	DEV10 : Fct.asg.BI w/o SI cl
	Pos	DPC	origin	-	
			stVal	211.218	DEV10 : Control state
			stSeld	-	
			ctlModel	-	
			sboTimeout	-	
	PosOper	OPER	ctlVal	211.228	DEV10 : 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	-	
	BlkOpn	SPS	stVal	-	
			ctlModel	-	
	BlkCls	SPS	stVal	-	
			ctlModel	-	
	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	ACT	general	211.247	DEV10 : Function group DEV10

1.2 Logical Device: Measurements

Logical Node	Data Object	CDC	Data Attr.	Address	Description

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
LPHD1	PhyNam	INC	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
			serNum	002.124	DVICE : F number
	PhyHealth	INS	stVal	005.029	IEC : Healthy
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.energy inp. prim
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	SupVArh	BCR	actVal	005.064	MAIN : React. en. inp. prim
	DmdWh	BCR	actVal	005.061	MAIN : Act.energy outp.prim
	DmdVArh	BCR	actVal	005.063	MAIN : React.en. outp. prim
	MTRRsOper	OPER	ctlVal	003.032	MAIN : Reset meas.v.en.USER
MmuPriMMXN1	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
	Vol	MV	mag	005.046	MAIN : Voltage Vref prim.
MmuSecMMXN2	Hz	MV	mag	004.070	MAIN : Frequency f p.u.
	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
MmuSecMMXN1	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
	Vol	MV	mag	005.047	MAIN : Voltage Vref p.u.
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
	LodAngC	MV	mag	004.057	MAIN : Load angle phi C
	LodAngB	MV	mag	004.056	MAIN : Load angle phi B
	LodAngA	MV	mag	004.055	MAIN : Load angle phi A
	TotW	MV	mag	004.051	MAIN : Active power P p.u.
	TotVAr	MV	mag	004.053	MAIN : Reac. power Q p.u.
	TotVA	MV	mag	005.026	MAIN : Appar. power S p.u.
	TotPF	MV	mag	004.054	MAIN : Active power factor

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	PPVphsABcVal	Vector	mag	005.045	MAIN : Voltage A-B p.u.
	PPVphsBCcVal	Vector	mag	006.045	MAIN : Voltage B-C p.u.
	PPVphsCAcVal	Vector	mag	007.045	MAIN : Voltage C-A p.u.
	PhVphsAcVal	Vector	mag	005.043	MAIN : Voltage A-G p.u.
	PhVphsBcVal	Vector	mag	006.043	MAIN : Voltage B-G p.u.
	PhVphsCcVal	Vector	mag	007.043	MAIN : Voltage C-G p.u.
	PhVneutcVal	Vector	mag	004.042	MAIN : Voltage VNG p.u.
	PhVrescVal	Vector	mag	005.013	MAIN : Volt. Σ(VPG)/√3 p.u.
	AphsAcVal	Vector	mag	005.041	MAIN : Current A p.u.
	AphsBcVal	Vector	mag	006.041	MAIN : Current B p.u.
	AphsCcVal	Vector	mag	007.041	MAIN : Current C p.u.
	AneutcVal	Vector	mag	004.044	MAIN : Current IN p.u.
	ArescVal	Vector	mag	005.011	MAIN : Current Σ(IP) 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 : Active power P prim.
	TotVAr	MV	mag	004.052	MAIN : Reac. power Q prim.
	TotVA	MV	mag	005.025	MAIN : Appar. power S prim.
	Hz	MV	mag	004.040	MAIN : Frequency f
	PPVphsABcVal	Vector	mag	005.044	MAIN : Voltage A-B prim.
	PPVphsBCcVal	Vector	mag	006.044	MAIN : Voltage B-C prim.
	PPVphsCAcVal	Vector	mag	007.044	MAIN : Voltage C-A prim.
	PhVphsAcVal	Vector	mag	005.042	MAIN : Voltage A-G prim.
	PhVphsBcVal	Vector	mag	006.042	MAIN : Voltage B-G prim.
	PhVphsCcVal	Vector	mag	007.042	MAIN : Voltage C-G prim.
	PhVneutcVal	Vector	mag	004.041	MAIN : Voltage VNG prim.
	PhVrescVal	Vector	mag	005.012	MAIN : Volt. Σ(VPG)/3 prim.
	AphsAcVal	Vector	mag	005.040	MAIN : Current A prim.
	AphsBcVal	Vector	mag	006.040	MAIN : Current B prim.
	AphsCcVal	Vector	mag	007.040	MAIN : Current C prim.
	AneutcVal	Vector	mag	004.043	MAIN : Current IN prim.
	ArescVal	Vector	mag	005.010	MAIN : Current Σ(IP) prim.
MmuMSQI1	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
	SeqAc1cVal	SEQ	mag	009.016	MAIN : Current Ipos p.u.
	SeqAc2cVal	SEQ	mag	009.015	MAIN : Current Ineg p.u.
	SeqVc1cVal	SEQ	mag	009.018	MAIN : Voltage Vpos p.u.
	SeqVc2cVal	SEQ	mag	009.017	MAIN : Voltage Vneg p.u.
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,maxp.u.,demand.st

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	MaxAmpsM1	MV	mag	006.232	MAIN : IA p.u.,demand stor.
	MaxAmpsM2	MV	mag	006.233	MAIN : IB p.u.,demand stor.
	MaxAmpsM3	MV	mag	006.234	MAIN : IC p.u.,demand stor.
	MaxAmpsDl	MV	mag	005.037	MAIN : IP,max p.u.,demand
	MaxAmpsD1	MV	mag	006.235	MAIN : IA p.u.,demand
	MaxAmpsD2	MV	mag	006.236	MAIN : IB p.u.,demand
	MaxAmpsD3	MV	mag	006.237	MAIN : IC p.u.,demand
	MinAmps	MV	mag	005.056	MAIN : Current IP,min p.u.
	MinVpp	MV	mag	009.045	MAIN : Voltage VPP,min p.u.
	MaxVpp	MV	mag	008.045	MAIN : Voltage VPP,max p.u.
	MinVpg	MV	mag	009.043	MAIN : Voltage VPG,min p.u.
	MaxVpg	MV	mag	008.043	MAIN : Voltage VPG,max p.u.
	MaxAmps	MV	mag	005.051	MAIN : Current IP,max 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
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	MaxAmpsMe	MV	mag	005.034	MAIN : IP,maxprim,demand.st
	MaxAmpsM1	MV	mag	006.223	MAIN : IA prim,demand stor.
	MaxAmpsM2	MV	mag	006.224	MAIN : IB prim,demand stor.
	MaxAmpsM3	MV	mag	006.225	MAIN : IC prim,demand stor.
	MaxAmpsDl	MV	mag	005.036	MAIN : IP,max prim.,demand
	MaxAmpsD1	MV	mag	006.226	MAIN : IA prim,demand
	MaxAmpsD2	MV	mag	006.227	MAIN : IB prim,demand
	MaxAmpsD3	MV	mag	006.228	MAIN : IC prim,demand
	MinAmps	MV	mag	005.055	MAIN : Curr. IP,min prim.
	MinVpp	MV	mag	009.044	MAIN : Voltage VPP,min prim
	MaxVpp	MV	mag	008.044	MAIN : Volt. VPP,max prim.
	MinVpg	MV	mag	009.042	MAIN : Volt. VPG,min prim.
	MaxVpg	MV	mag	008.042	MAIN : Volt. VPG,max prim.
	MaxAmps	MV	mag	005.050	MAIN : Curr. IP,max prim.

1.3 Logical Device: Protection

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
LPHD1	PhyNam	INC	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
			serNum	002.124	DVICE : F number
	PhyHealth	INS	stVal	005.029	IEC : Healthy
PdpActPDOP1	Mod	INC	stVal	000.132	IEC : PPDOP1.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.136	IEC : PPDOP1.Beh

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.086	P<> : Starting P>
			dirGeneral	000.141	IEC : PPDOP.Direction
	Op	ACT	general	035.088	P<> : Trip signal P>
	Blk	SPS	stVal	035.082	P<> : Blocking tP> EXT
PdpActPDOP2	Mod	INC	stVal	000.133	IEC : PPDOP2.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.137	IEC : PPDOP2.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.089	P<> : Starting P>>
			dirGeneral	000.141	IEC : PPDOP.Direction
	Op	ACT	general	035.091	P<> : Trip signal P>>
	Blk	SPS	stVal	035.083	P<> : Blocking tP>> EXT
PdpReaPDOP1	Mod	INC	stVal	000.134	IEC : QPDOP1.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.138	IEC : QPDOP1.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.092	P<> : Starting Q>
			dirGeneral	000.142	IEC : QPDOP.Direction
	Op	ACT	general	035.094	P<> : Trip signal Q>
	Blk	SPS	stVal	035.084	P<> : Blocking tQ> EXT
PdpReaPDOP2	Mod	INC	stVal	000.135	IEC : QPDOP2.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.140	IEC : QPDOP2.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.095	P<> : Starting Q>>
			dirGeneral	000.142	IEC : QPDOP.Direction
	Op	ACT	general	035.097	P<> : Trip signal Q>>
	Blk	SPS	stVal	035.085	P<> : Blocking tQ>> EXT
PdpActPDUP1	Mod	INC	stVal	000.143	IEC : PPDUP1.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.147	IEC : PPDUP1.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.054	P<> : Starting P<
			dirGeneral	000.141	IEC : PPDOP.Direction
	Op	ACT	general	035.058	P<> : Trip signal P<
	Blk	SPS	stVal	035.050	P<> : Blocking tP< EXT
PdpActPDUP2	Mod	INC	stVal	000.144	IEC : PPDUP2.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.148	IEC : PPDUP2.Beh

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.060	P<> : Starting P<<
			dirGeneral	000.141	IEC : PPDOP.Direction
	Op	ACT	general	035.064	P<> : Trip signal P<<
	Blk	SPS	stVal	035.051	P<> : Blocking tP<< EXT
PdpReaPDUP1	Mod	INC	stVal	000.145	IEC : QPDUP1.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.149	IEC : QPDUP1.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.066	P<> : Starting Q<
			dirGeneral	000.142	IEC : QPDOP.Direction
	Op	ACT	general	035.155	P<> : Trip signal Q<
	Blk	SPS	stVal	035.052	P<> : Blocking tQ< EXT
PdpReaPDUP2	Mod	INC	stVal	000.146	IEC : QPDUP2.Mode
	ModOper	OPER	ctlVal	014.220	P<> : General enable USER
	Beh	INS	stVal	000.150	IEC : QPDUP2.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.010	P<> : Starting Q<<
			dirGeneral	000.142	IEC : QPDOP.Direction
	Op	ACT	general	035.176	P<> : Trip signal Q<<
	Blk	SPS	stVal	035.053	P<> : Blocking tQ<< EXT
PHAR1	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
	Str	ACD	phsA	041.027	MAIN : Rush restr. A trig.
			phsB	041.028	MAIN : Rush restr. B trig.
			phsC	041.029	MAIN : Rush restr. C trig.
MotPMRI1	Mod	INC	stVal	000.209	IEC : PMRI.Mod
	ModOper	OPER	ctlVal	017.059	MP : General enable USER
	Beh	INS	stVal	000.210	IEC : PMRI.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	StrInh	SPS	stVal	040.049	MP : Reclosure blocked
MotPMSS1	Mod	INC	stVal	000.209	IEC : PMRI.Mod
	ModOper	OPER	ctlVal	017.059	MP : General enable USER
	Beh	INS	stVal	000.210	IEC : PMRI.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.119	MP : Startup
	Op	ACT	general	041.081	MP : Trip by failed st-up

Logical Node	Data Object	CDC	Data Attr.	Address	Description
UbpNgsPTOC1	Mod	INC	stVal	001.230	IEC : I2_1.Mod
	ModOper	OPER	ctlVal	018.090	I2> : General enable USER
	Beh	INS	stVal	001.231	IEC : I2_1.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.024	I2> : Starting Ineg>
	Op	ACT	general	035.033	I2> : tIneg> elapsed
	BlkThm1	SPS	stVal	035.100	I2> : Blocking EXT
	BlkThm2	SPS	stVal	041.076	I2> : Blocking tIneg> EXT
PSCH1	Mod	INC	stVal	000.211	IEC : PSCH.Mod
	ModOper	OPER	ctlVal	015.004	PSIG : General enable USER
	Beh	INS	stVal	000.212	IEC : PSCH.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	ProTx	SPS	stVal	036.035	PSIG : Send (signal)
	ProRx	SPS	stVal	037.029	PSIG : Receive (signal)
	Str	ACD	general	040.000	MAIN : General starting
	Op	ACT	general	038.007	PSIG : Trip signal
	Blk	SPS	stVal	036.049	PSIG : Blocking EXT
PSDE1	Mod	INC	stVal	000.203	IEC : PSDE.Mod
	ModOper	OPER	ctlVal	016.060	GFDSS : General enable USER
	Beh	INS	stVal	000.204	IEC : PSDE.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	009.040	GFDSS : Starting forward/LS
			dirGeneral	000.205	IEC : PSDE.DIR
	Op	ACT	general	009.031	GFDSS : Trip signal forw./LS
PSOF1	Mod	INC	stVal	001.237	IEC : SOTF.Mod
	ModOper	OPER	ctlVal	011.068	SOTF : General enable USER
	Beh	INS	stVal	001.238	IEC : SOTF.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	036.063	SOTF : tManual-close runn.
	Op	ACT	general	036.064	SOTF : Trip signal
	ParArcExt	ACT	general	039.063	SOTF : Par. ARC running EXT
PTEF1	Mod	INC	stVal	000.206	IEC : PTEF.Mod
	ModOper	OPER	ctlVal	016.040	TGFD : General enable USER
	Beh	INS	stVal	000.207	IEC : PTEF.Beh
	Health	INS	stVal	000.208	IEC : PTEF.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	004.033	TGFD : Ground fault
			dirGeneral	000.224	IEC : PTEF.DIR
	Blk	SPS	stVal	004.034	TGFD : Blocking EXT
DtpPhsPTOC1	Mod	INC	stVal	005.020	IEC : PhPTOC1.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	Beh	INS	stVal	005.048	IEC : PhPTOC1.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.036	DTOC : Starting I>
			dirGeneral	000.216	IEC : PHRDIR.DIR
	Op	ACT	general	041.020	DTOC : Trip signal tI>
	Blk	SPS	stVal	041.060	DTOC : Blocking tI> EXT
DtpPhsPTOC2	Mod	INC	stVal	005.052	IEC : PhPTOC2.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	005.053	IEC : PhPTOC2.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.029	DTOC : Starting I>>
			dirGeneral	000.216	IEC : PHRDIR.DIR
	Op	ACT	general	040.011	DTOC : Trip signal tI>>
	Blk	SPS	stVal	041.061	DTOC : Blocking tI>> EXT
DtpPhsPTOC3	Mod	INC	stVal	005.054	IEC : PhPTOC3.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	005.066	IEC : PhPTOC3.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	039.075	DTOC : Starting I>>>
	Op	ACT	general	040.076	DTOC : Trip signal tI>>>
	Blk	SPS	stVal	041.062	DTOC : Blocking tI>>> EXT
DtpNgsPTOC1	Mod	INC	stVal	000.111	IEC : NegPTOC1.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	000.117	IEC : NegPTOC1.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	LnCfg	ACT	general	056.008	DTOC : Function group DTOC
	Str	ACD	general	036.145	DTOC : Starting Ineg>
	Op	ACT	general	036.151	DTOC : Trip signal tIneg>
	Blk	SPS	stVal	036.141	DTOC : Block. tIneg> EXT
DtpNgsPTOC2	Mod	INC	stVal	000.112	IEC : NegPTOC2.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	000.118	IEC : NegPTOC2.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	036.146	DTOC : Starting Ineg>>
	Op	ACT	general	036.152	DTOC : Trip signal tIneg>>
	Blk	SPS	stVal	036.142	DTOC : Block. tIneg>> EXT
DtpNgsPTOC3	Mod	INC	stVal	000.113	IEC : NegPTOC3.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	000.119	IEC : NegPTOC3.Beh
	Health	INS	stVal	000.123	IEC : PTOC.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
	Str	ACD	general	036.147	DTOC : Starting Ineg>>>
	Op	ACT	general	036.153	DTOC : Trip signal tIneg>>>
	Blk	SPS	stVal	036.143	DTOC : Block. tIneg>>> EXT
DtpEftPTOC1	Mod	INC	stVal	000.114	IEC : ResPTOC1.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	000.120	IEC : ResPTOC1.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.077	DTOC : Starting IN>
			dirGeneral	000.226	IEC : RESRDIR.DIR
	Op	ACT	general	041.021	DTOC : Trip signal tIN>
	Blk	SPS	stVal	041.063	DTOC : Blocking tIN> EXT
DtpEftPTOC2	Mod	INC	stVal	000.115	IEC : ResPTOC2.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	000.121	IEC : ResPTOC2.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.041	DTOC : Starting IN>>
			dirGeneral	000.226	IEC : RESRDIR.DIR
	Op	ACT	general	040.028	DTOC : Trip signal tIN>>
	Blk	SPS	stVal	041.064	DTOC : Blocking tIN>> EXT
DtpEftPTOC3	Mod	INC	stVal	000.116	IEC : ResPTOC3.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	000.122	IEC : ResPTOC3.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	039.078	DTOC : Starting IN>>>
	Op	ACT	general	040.079	DTOC : Trip signal tIN>>>
	Blk	SPS	stVal	041.065	DTOC : Blocking tIN>>> EXT
DtpEftPTOC4	Mod	INC	stVal	003.029	IEC : ResPTOC4.Mode
	ModOper	OPER	ctlVal	022.075	DTOC : General enable USER
	Beh	INS	stVal	003.031	IEC : ResPTOC4.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.031	DTOC : Starting IN>>>>
	Op	ACT	general	035.046	DTOC : Trip sign. tIN>>>>
	Blk	SPS	stVal	041.101	DTOC : Blocking tIN>>>> EXT
ItpPhsPTOC1	Mod	INC	stVal	000.125	IEC : PhPTOC5.Mode
	ModOper	OPER	ctlVal	017.096	IDMT1 : General enable USER
	Beh	INS	stVal	000.128	IEC : PhPTOC5.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.080	IDMT1 : Starting Iref,P>

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			dirGeneral	000.216	IEC : PHRDIR.DIR
	Op	ACT	general	040.084	IDMT1 : Trip signal tIref,P>
	Blk	SPS	stVal	040.101	IDMT1 : Block. tIref,P> EXT
ItpPhsPTOC2	Mod	INC	stVal	002.003	IEC : PhPTOC6.Mode
	ModOper	OPER	ctlVal	017.052	IDMT2 : General enable USER
	Beh	INS	stVal	002.006	IEC : PhPTOC6.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.018	IDMT2 : Starting Iref,P>
	Op	ACT	general	040.023	IDMT2 : Trip signal tIref,P>
	Blk	SPS	stVal	040.136	IDMT2 : Block. tIref,P> EXT
ItpNgsPTOC1	Mod	INC	stVal	000.126	IEC : NegPTOC5.Mode
	ModOper	OPER	ctlVal	017.096	IDMT1 : General enable USER
	Beh	INS	stVal	000.129	IEC : NegPTOC5.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.107	IDMT1 : Starting Iref,neg>
	Op	ACT	general	040.108	IDMT1 : Trip sig. tIref,neg>
	Blk	SPS	stVal	040.102	IDMT1 : Block. tIref,neg>EXT
ItpNgsPTOC2	Mod	INC	stVal	002.004	IEC : NegPTOC6.Mode
	ModOper	OPER	ctlVal	017.052	IDMT2 : General enable USER
	Beh	INS	stVal	002.007	IEC : NegPTOC6.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.156	IDMT2 : Starting Iref,neg>
	Op	ACT	general	040.158	IDMT2 : Trip sig. tIref,neg>
	Blk	SPS	stVal	040.149	IDMT2 : Block. tIref,neg>EXT
ItpEftPTOC1	Mod	INC	stVal	000.127	IEC : ResPTOC5.Mode
	ModOper	OPER	ctlVal	017.096	IDMT1 : General enable USER
	Beh	INS	stVal	000.130	IEC : ResPTOC5.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.081	IDMT1 : Starting Iref,N>
			dirGeneral	000.226	IEC : RESRDIR.DIR
	Op	ACT	general	040.085	IDMT1 : Trip signal tIref,N>
	Blk	SPS	stVal	040.103	IDMT1 : Block. tIref,N> EXT
ItpEftPTOC2	Mod	INC	stVal	002.005	IEC : ResPTOC6.Mode
	ModOper	OPER	ctlVal	017.052	IDMT2 : General enable USER
	Beh	INS	stVal	002.008	IEC : ResPTOC6.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	040.019	IDMT2 : Starting Iref,N>
	Op	ACT	general	040.024	IDMT2 : Trip signal tIref,N>
	Blk	SPS	stVal	040.150	IDMT2 : Block. tIref,N> EXT
UbpNgsPTOC2	Mod	INC	stVal	001.232	IEC : I2_2.Mod

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	ModOper	OPER	ctlVal	018.090	I2> : General enable USER
	Beh	INS	stVal	001.233	IEC : I2_2.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	035.025	I2> : Starting Ineg>>
	Op	ACT	general	035.034	I2> : tIneg>> elapsed
	BlkThm1	SPS	stVal	035.100	I2> : Blocking EXT
	BlkThm2	SPS	stVal	041.077	I2> : Blocking tIneg>> EXT
FrqPTOF1	Mod	INC	stVal	000.194	IEC : PTOF1.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	000.196	IEC : PTOF1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.107	f<> : Starting f1
	Op	ACT	general	042.111	f<> : Trip signal f1
	Blk	SPS	stVal	042.103	f<> : Blocking f1 EXT
FrqPTOF2	Mod	INC	stVal	000.195	IEC : PTOF2.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	000.197	IEC : PTOF2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.115	f<> : Starting f2
	Op	ACT	general	042.119	f<> : Trip signal f2
	Blk	SPS	stVal	042.104	f<> : Blocking f2 EXT
FrqPTOF3	Mod	INC	stVal	001.241	IEC : PTOF3.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	001.243	IEC : PTOF3.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.123	f<> : Starting f3
	Op	ACT	general	042.127	f<> : Trip signal f3
	Blk	SPS	stVal	042.105	f<> : Blocking f3 EXT
FrqPTOF4	Mod	INC	stVal	001.242	IEC : PTOF4.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	001.244	IEC : PTOF4.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.131	f<> : Starting f4
	Op	ACT	general	042.135	f<> : Trip signal f4
	Blk	SPS	stVal	042.106	f<> : Blocking f4 EXT
VtpPhsPTOV1	Mod	INC	stVal	000.151	IEC : PhPTOV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.165	IEC : PhPTOV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.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
	Str	ACD	general	041.030	V<> : Starting V>
	Op	ACT	general	041.034	V<> : tV> elapsed
	Blk	SPS	stVal	041.068	V<> : Blocking tV> EXT
VtpPhsPTOV2	Mod	INC	stVal	000.154	IEC : PhPTOV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.166	IEC : PhPTOV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	041.096	V<> : Starting V>>
	Op	ACT	general	041.035	V<> : tV>> elapsed
	Blk	SPS	stVal	041.069	V<> : Blocking tV>> EXT
VtpNgsPTOV1	Mod	INC	stVal	000.156	IEC : NegPTOV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.167	IEC : NegPTOV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.019	V<> : Starting Vneg>
	Op	ACT	general	042.021	V<> : tVneg> elapsed
	Blk	SPS	stVal	041.094	V<> : Blocking tVneg> EXT
VtpNgsPTOV2	Mod	INC	stVal	000.157	IEC : NegPTOV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.168	IEC : NegPTOV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.020	V<> : Starting Vneg>>
	Op	ACT	general	042.022	V<> : tVneg>> elapsed
	Blk	SPS	stVal	041.095	V<> : Blocking tVneg>> EXT
VtpPssPTOV1	Mod	INC	stVal	000.161	IEC : PosPTOV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.169	IEC : PosPTOV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.010	V<> : Starting Vpos>
	Op	ACT	general	042.012	V<> : tVpos> elapsed
	Blk	SPS	stVal	041.090	V<> : Blocking tVpos> EXT
VtpPssPTOV2	Mod	INC	stVal	000.162	IEC : PosPTOV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.170	IEC : PosPTOV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.011	V<> : Starting Vpos>>
	Op	ACT	general	042.013	V<> : tVpos>> elapsed
	Blk	SPS	stVal	041.091	V<> : Blocking tVpos>> EXT
VtpResPTOV1	Mod	INC	stVal	000.163	IEC : ResPTOV1.Mode

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.171	IEC : ResPTOV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	041.044	V<> : Starting VNG>
	Op	ACT	general	041.045	V<> : tVNG> elapsed
	Blk	SPS	stVal	041.072	V<> : Blocking tVNG> EXT
VtpResPTOV2	Mod	INC	stVal	000.164	IEC : ResPTOV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.172	IEC : ResPTOV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.008	V<> : Starting VNG>>
	Op	ACT	general	041.046	V<> : tVNG>> elapsed
	Blk	SPS	stVal	041.073	V<> : Blocking tVNG>> EXT
PTRC1	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
	Str	ACD	general	040.000	MAIN : General starting
			dirGeneral	005.030	IEC : KURI.Coded Direction
			phsA	040.005	MAIN : Starting A
			phsB	040.006	MAIN : Starting B
			phsC	040.007	MAIN : Starting C
			neut	040.008	MAIN : Starting GF
	Tr	ACT	general	036.071	MAIN : Gen. trip command 1
	TrBlk	ACT	general	021.013	MAIN : Trip cmd. blocked
	LaTrRs	ACT	general	040.139	MAIN : Latch. trip c. reset
	StrEf	ACD	general	041.087	MAIN : Ground fault
			dirGeneral	006.123	IEC : ERDSCHLUSS.DIR
			phsA	041.054	MAIN : Ground fault A
			dirPhsA	006.123	IEC : ERDSCHLUSS.DIR
			phsB	041.055	MAIN : Ground fault B
			dirPhsB	006.123	IEC : ERDSCHLUSS.DIR
			phsC	041.056	MAIN : Ground fault C
			dirPhsC	006.123	IEC : ERDSCHLUSS.DIR
	TrPhIG	ACT	general	040.042	MAIN : TripSig. tI>/tIrefP>
	TrResIG	ACT	general	040.043	MAIN : TripSig tIN>/tIrefN>
PTRC2	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
	Str	ACD	general	040.000	MAIN : General starting
			dirGeneral	005.030	IEC : KURI.Coded Direction
			phsA	040.005	MAIN : Starting A
			phsB	040.006	MAIN : Starting B

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			phsC	040.007	MAIN : Starting C
			neut	040.008	MAIN : Starting GF
	Tr	ACT	general	036.022	MAIN : Gen. trip command 2
	TrBlk	ACT	general	021.013	MAIN : Trip cmd. blocked
	LaTrRs	ACT	general	040.139	MAIN : Latch. trip c. reset
ThmPTTR1	Mod	INC	stVal	000.189	IEC : ThPTTR.Mode
	ModOper	OPER	ctlVal	022.050	THERM : General enable USER
	Beh	INS	stVal	000.191	IEC : ThPTTR.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	041.108	THERM : Starting k*Iref>
	Op	ACT	general	039.020	THERM : Trip signal
	Blk	SPS	stVal	041.074	THERM : Therm.repl.block EXT
	Amp1	MV	mag	007.220	THERM : Current I,therm prim
	Amp2	MV	mag	007.221	THERM : Current I,therm p.u
	AlmThm	ACT	general	039.025	THERM : Warning
MotPTTR1	Mod	INC	stVal	000.190	IEC : MpPTTR.Mode
	ModOper	OPER	ctlVal	017.059	MP : General enable USER
	Beh	INS	stVal	000.192	IEC : MpPTTR.beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	041.108	THERM : Starting k*Iref>
	Op	ACT	general	039.020	THERM : Trip signal
	Blk	SPS	stVal	040.044	MP : Therm.repl.block EXT
FrqPTUF1	Mod	INC	stVal	000.199	IEC : PTUF1.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	000.201	IEC : PTUF1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.107	f<> : Starting f1
	Op	ACT	general	042.111	f<> : Trip signal f1
	Blk	SPS	stVal	042.103	f<> : Blocking f1 EXT
FrqPTUF2	Mod	INC	stVal	000.200	IEC : PTUF2.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	000.202	IEC : PTUF2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.115	f<> : Starting f2
	Op	ACT	general	042.119	f<> : Trip signal f2
	Blk	SPS	stVal	042.104	f<> : Blocking f2 EXT
FrqPTUF3	Mod	INC	stVal	001.245	IEC : PTUF3.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	001.247	IEC : PTUF3.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	Str	ACD	general	042.123	f<> : Starting f3
	Op	ACT	general	042.127	f<> : Trip signal f3
	Blk	SPS	stVal	042.105	f<> : Blocking f3 EXT
FrqPTUF4	Mod	INC	stVal	001.246	IEC : PTUF4.Mod
	ModOper	OPER	ctlVal	023.031	f<> : General enable USER
	Beh	INS	stVal	001.248	IEC : PTUF4.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.131	f<> : Starting f4
	Op	ACT	general	042.135	f<> : Trip signal f4
	Blk	SPS	stVal	042.106	f<> : Blocking f4 EXT
VtpPhsPTUV1	Mod	INC	stVal	000.174	IEC : PhPTUV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.181	IEC : PhPTUV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	041.037	V<> : Starting V<
	Op	ACT	general	041.041	V<> : tV< elapsed
	Blk	SPS	stVal	041.070	V<> : Blocking tV< EXT
VtpPhsPTUV2	Mod	INC	stVal	000.175	IEC : PhPTUV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.182	IEC : PhPTUV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	041.099	V<> : Starting V<<
	Op	ACT	general	041.042	V<> : tV<< elapsed
	Blk	SPS	stVal	041.071	V<> : Blocking tV<< EXT
VtpPssPTUV1	Mod	INC	stVal	000.178	IEC : PosPTUV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.185	IEC : PosPTUV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.014	V<> : Starting Vpos<
	Op	ACT	general	042.016	V<> : tVpos< elapsed
	Blk	SPS	stVal	041.092	V<> : Blocking tVpos< EXT
VtpPssPTUV2	Mod	INC	stVal	000.179	IEC : PosPTUV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.186	IEC : PosPTUV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	042.015	V<> : Starting Vpos<<
	Op	ACT	general	042.017	V<> : tVpos<< elapsed
	Blk	SPS	stVal	041.093	V<> : Blocking tVpos<< EXT
RBRF1	Mod	INC	stVal	000.217	IEC : RBRF.Mod
	ModOper	OPER	ctlVal	022.080	CBF : General enable USER

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	Beh	INS	stVal	000.218	IEC : RBRF.Beh
	Health	INS	stVal	005.029	IEC : Healthy
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	038.211	CBF : Startup 3p
	OpEx	ACT	general	036.017	CBF : CB failure
	Blk	SPS	stVal	038.058	CBF : Blocking EXT
RBRF2	Mod	INC	stVal	000.217	IEC : RBRF.Mod
	ModOper	OPER	ctlVal	022.080	CBF : General enable USER
	Beh	INS	stVal	000.218	IEC : RBRF.Beh
	Health	INS	stVal	005.029	IEC : Healthy
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	038.211	CBF : Startup 3p
	OpEx	ACT	general	038.224	CBF : Trip command t2
	OpIn	ACT	general	038.220	CBF : Trip command t1
	Blk	SPS	stVal	038.058	CBF : Blocking EXT
DtpPhsRDIR1	Mod	INC	stVal	000.213	IEC : RDIR.Mod
	ModOper	OPER	ctlVal	017.070	SCDD : General enable USER
	Beh	INS	stVal	000.214	IEC : RDIR.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Dir	ACD	general	000.215	IEC : PHRDIR.START
			dirGeneral	000.216	IEC : PHRDIR.DIR
DtpResRDIR1	Mod	INC	stVal	000.213	IEC : RDIR.Mod
	ModOper	OPER	ctlVal	017.070	SCDD : General enable USER
	Beh	INS	stVal	000.214	IEC : RDIR.Beh
	Health	INS	stVal	000.124	IEC : MMXU.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Dir	ACD	general	000.225	IEC : RESRDIR.START
			dirGeneral	000.226	IEC : RESRDIR.DIR
RFLO1	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
	FltZcVal	Vector	mag	004.029	FT_DA : Fault react., prim.
	FltDiskm	MV	mag	004.022	FT_DA : Fault location
VtpRefPTOV1	Mod	INC	stVal	000.151	IEC : PhPTOV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.165	IEC : PhPTOV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	007.051	V<> : Starting Vref>
	Op	ACT	general	007.047	V<> : tVref> elapsed
	Blk	SPS	stVal	007.036	V<> : Blocking tVref> EXT
VtpRefPTOV2	Mod	INC	stVal	000.154	IEC : PhPTOV2.Mode

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.166	IEC : PhPTOV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	007.052	V<> : Starting Vref>>
	Op	ACT	general	041.035	V<> : tV>> elapsed
	Blk	SPS	stVal	007.037	V<> : Blocking tVref>> EXT
VtpRefPTUV1	Mod	INC	stVal	000.174	IEC : PhPTUV1.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.181	IEC : PhPTUV1.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	007.055	V<> : Starting Vref<
	Op	ACT	general	007.053	V<> : tVref< elapsed
	Blk	SPS	stVal	007.039	V<> : Blocking tVref< EXT
VtpRefPTUV2	Mod	INC	stVal	000.179	IEC : PosPTUV2.Mode
	ModOper	OPER	ctlVal	023.030	V<> : General enable USER
	Beh	INS	stVal	000.186	IEC : PosPTUV2.Beh
	Health	INS	stVal	000.131	IEC : PTOV.HEALTH
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	Str	ACD	general	007.056	V<> : Starting Vref<<
	Op	ACT	general	007.054	V<> : tVref<< elaps.
	Blk	SPS	stVal	007.046	V<> : Blocking tVref<< EXT

1.4 Logical Device: Records

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
LPHD1	PhyNam	INC	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
			serNum	002.124	DVICE : F number
	PhyHealth	INS	stVal	005.029	IEC : Healthy
RDRE1	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
	RcdMade	SPS	stVal	000.227	IEC : RDRE.RcdMade
	FltNum	INS	stVal	004.020	FT_RC : No. of faults
	GriFltNum	INS	stVal	004.010	FT_RC : No. system disturb.
	RcdStr	SPS	stVal	035.000	FT_RC : Record. in progress

1.5 Logical Device: System

1.5.1 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 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.

1.5.2 System: List of Logical Nodes

Logical Node	Data Object	CDC	Data Attr.	Address	Description
LLN0	Mod	INC	stVal	005.027	IEC : Mode
	ModOper	OPER	ctlVal	003.030	MAIN : Device on-line
	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	-	
	CurSG	INS	stVal	003.062	PSS : Actual param. subset
	SyncSt	SPS	stVal	009.109	MAIN : Time synchronized
	SGCB	SGC	ActSG	003.062	PSS : Actual param. subset
	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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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	036.060	PSIG : Telecom. faulty
	Alm5	SPS	stVal	004.061	MAIN : M.c.b. trip V EXT
	Alm6	SPS	stVal	038.049	MCMON : Phase sequ. V faulty
	Alm7	SPS	stVal	038.023	MCMON : Meas. circ. V faulty
	Alm8	SPS	stVal	040.087	MCMON : Meas. circ. I faulty
	Alm9	SPS	stVal	036.086	MAIN : M.c.b. trip Vref EXT
	Alm10	SPS	stVal	120.043	COMM3 : Communications fault
	Alm11	SPS	stVal	039.111	THERM : CTA error
	Alm12	SPS	stVal	040.190	MEASI : Open circ. PT100
	Alm13	SPS	stVal	040.191	MEASI : Overload 20mA input
	Alm14	SPS	stVal	040.192	MEASI : Open circ. 20mA inp.
	Alm15	SPS	stVal	040.193	MEASI : Open circ. T1
	Alm16	SPS	stVal	040.194	MEASI : Open circ. T2
	Alm17	SPS	stVal	040.195	MEASI : Open circ. T3
	Alm18	SPS	stVal	040.208	MEASI : Open circ. T4
	Alm19	SPS	stVal	040.209	MEASI : Open circ. T5
	Alm20	SPS	stVal	040.218	MEASI : Open circ. T6
	Alm21	SPS	stVal	040.219	MEASI : Open circ. T7
	Alm22	SPS	stVal	040.252	MEASI : Open circ. T8
	Alm23	SPS	stVal	040.253	MEASI : Open circ. T9
CtlGGIO1	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
	Loc	SPS	stVal	-	
	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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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
CntGGIO1	Mod	INC	stVal	217.000	COUNT : General enable USER
	Beh	INS	stVal	217.000	COUNT : General enable USER
	Health	INS	stVal	217.000	COUNT : General enable USER
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	CntGGIORs	SPC	ctlModel	-	
	CntGGIORsOper	OPER	ctlVal	-	
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	GenCntRs1	BCR	actVal	-	
			pulsQty	221.096	COUNT : Iec61850 pulsQty
	GenCntRs2	BCR	actVal	-	
			pulsQty	221.096	COUNT : Iec61850 pulsQty
	GenCntRs3	BCR	actVal	-	
			pulsQty	221.096	COUNT : Iec61850 pulsQty
	GenCntRs4	BCR	actVal	-	
			pulsQty	221.096	COUNT : Iec61850 pulsQty
	LnCfg	ACT	general	217.047	COUNT : Function group COUNT
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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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
	Ind17	SPS	stVal	106.216	GOOSE : Input 17 state
	Ind18	SPS	stVal	106.217	GOOSE : Input 18 state
	Ind19	SPS	stVal	106.218	GOOSE : Input 19 state
	Ind20	SPS	stVal	106.219	GOOSE : Input 20 state
	Ind21	SPS	stVal	106.220	GOOSE : Input 21 state
	Ind22	SPS	stVal	106.221	GOOSE : Input 22 state
	Ind23	SPS	stVal	106.222	GOOSE : Input 23 state
	Ind24	SPS	stVal	106.223	GOOSE : Input 24 state
	Ind25	SPS	stVal	106.224	GOOSE : Input 25 state
	Ind26	SPS	stVal	106.225	GOOSE : Input 26 state
	Ind27	SPS	stVal	106.226	GOOSE : Input 27 state
	Ind28	SPS	stVal	106.227	GOOSE : Input 28 state
	Ind29	SPS	stVal	106.228	GOOSE : Input 29 state
	Ind30	SPS	stVal	106.229	GOOSE : Input 30 state
	Ind31	SPS	stVal	106.230	GOOSE : Input 31 state
	Ind32	SPS	stVal	106.231	GOOSE : Input 32 state
SigGGIO1	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
OrdRunGGIO1	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
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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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
	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
DevGosGGIO1	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
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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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
	Ind17	SPS	stVal	034.086	LOGIC : Input 17 EXT
	Ind18	SPS	stVal	034.087	LOGIC : Input 18 EXT
	Ind19	SPS	stVal	034.088	LOGIC : Input 19 EXT
	Ind20	SPS	stVal	034.089	LOGIC : Input 20 EXT
	Ind21	SPS	stVal	034.090	LOGIC : Input 21 EXT
	Ind22	SPS	stVal	034.091	LOGIC : Input 22 EXT
	Ind23	SPS	stVal	034.092	LOGIC : Input 23 EXT
	Ind24	SPS	stVal	034.093	LOGIC : Input 24 EXT
	Ind25	SPS	stVal	034.094	LOGIC : Input 25 EXT
	Ind26	SPS	stVal	034.095	LOGIC : Input 26 EXT
	Ind27	SPS	stVal	034.096	LOGIC : Input 27 EXT
	Ind28	SPS	stVal	034.097	LOGIC : Input 28 EXT
	Ind29	SPS	stVal	034.098	LOGIC : Input 29 EXT
	Ind30	SPS	stVal	034.099	LOGIC : Input 30 EXT
	Ind31	SPS	stVal	034.100	LOGIC : Input 31 EXT
	Ind32	SPS	stVal	034.101	LOGIC : Input 32 EXT
	Ind33	SPS	stVal	034.102	LOGIC : Input 33 EXT
	Ind34	SPS	stVal	034.103	LOGIC : Input 34 EXT
	Ind35	SPS	stVal	034.104	LOGIC : Input 35 EXT
	Ind36	SPS	stVal	034.105	LOGIC : Input 36 EXT
	Ind37	SPS	stVal	034.106	LOGIC : Input 37 EXT
	Ind38	SPS	stVal	034.107	LOGIC : Input 38 EXT
	Ind39	SPS	stVal	034.108	LOGIC : Input 39 EXT
	Ind40	SPS	stVal	034.109	LOGIC : Input 40 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
	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

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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)
	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)

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	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
IdcGGIO1	Mod	INC	stVal	006.107	IEC : IdcGGIO01.Mode
	Beh	INS	stVal	006.108	IEC : IdcGGIO01.Beh
	Health	INS	stVal	006.109	IEC : IdcGGIO01.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
RtdGGIO1	Mod	INC	stVal	006.110	IEC : RtdGGIO1.Mode
	Beh	INS	stVal	006.111	IEC : RtdGGIO1.Beh
	Health	INS	stVal	006.112	IEC : RtdGGIO1.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	AnIn1	MV	mag	004.133	MEASI : Temperature T
	AnIn2	MV	mag	004.233	MEASI : Temperature Tmax
RtdGGIO2	Mod	INC	stVal	006.104	IEC : RtdGGIO02.Mode
	Beh	INS	stVal	006.105	IEC : RtdGGIO02.Beh
	Health	INS	stVal	006.106	IEC : RtdGGIO02.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	AnIn1	MV	mag	004.224	MEASI : Temperature T1
	AnIn2	MV	mag	004.225	MEASI : Temperature T2
	AnIn3	MV	mag	004.226	MEASI : Temperature T3
	AnIn4	MV	mag	004.227	MEASI : Temperature T4
	AnIn5	MV	mag	004.228	MEASI : Temperature T5
	AnIn6	MV	mag	004.229	MEASI : Temperature T6
	AnIn7	MV	mag	004.230	MEASI : Temperature T7
	AnIn8	MV	mag	004.231	MEASI : Temperature T8
	AnIn9	MV	mag	004.232	MEASI : Temperature T9

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	AnIn10	MV	mag	004.234	MEASI : Temp. T1 max.
	AnIn11	MV	mag	004.235	MEASI : Temp. T2 max.
	AnIn12	MV	mag	004.236	MEASI : Temp. T3 max.
	AnIn13	MV	mag	004.237	MEASI : Temp. T4 max.
	AnIn14	MV	mag	004.238	MEASI : Temp. T5 max.
	AnIn15	MV	mag	004.239	MEASI : Temp. T6 max.
	AnIn16	MV	mag	004.240	MEASI : Temp. T7 max.
	AnIn17	MV	mag	004.241	MEASI : Temp. T8 max.
	AnIn18	MV	mag	004.242	MEASI : Temp. T9 max.
LPHD1	PhyNam	INC	vendor	003.183	PC : Name of manufacturer
			hwRev	-	
			swRev	002.120	DVICE : Software version
			serNum	002.124	DVICE : F number
	PhyHealth	INS	stVal	005.029	IEC : Healthy
	Proxy	INS	stVal	-	
ZMOT1	Mod	INC	stVal	000.209	IEC : PMRI.Mod
	Beh	INS	stVal	000.210	IEC : PMRI.Beh
	Health	INS	stVal	000.123	IEC : PTOC.Health
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
	OpTmh	INS	stVal	025.150	MP : No. of hours run
	DExt	SPS	stVal	025.158	MP : Machine stopped
	OverOpTmh	SPS	stVal	025.155	MP : Sig. Hours_Run >
	LnCfg	SPS	stVal	056.022	MP : Function group MP
ZAXN1	Mod	INC	stVal	006.173	IEC : ZAXN1.Mod
	Beh	INS	stVal	006.174	IEC : ZAXN1.Beh
	Health	INS	stVal	005.029	IEC : Healthy
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
			configRev	-	
	EEHealth	INS	stVal	006.172	IEC : ZAXN1.EEHealth
ZAXN2	Mod	INC	stVal	006.202	IEC : ZAXN2.Mod
	Beh	INS	stVal	006.203	IEC : ZAXN2.Beh
	Health	INS	stVal	005.029	IEC : Healthy
	NamPlt	LPL	vendor	003.183	PC : Name of manufacturer
			swRev	002.120	DVICE : Software version
			configRev	-	
	EEHealth	INS	stVal	006.201	IEC : ZAXN2.EEHealth
CtlGGIO2	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
	Loc	SPS	stVal	-	
	SPCSO1	SPC	ctlModel	-	
	SPCSO1Oper	OPER	ctlVal	200.001	CMD_1 : Command C001
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			Check	-	
	SPCSO2	SPC	ctlModel	-	
	SPCSO2Oper	OPER	ctlVal	200.006	CMD_1 : Command C002
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO3	SPC	ctlModel	-	
	SPCSO3Oper	OPER	ctlVal	200.011	CMD_1 : Command C003
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO4	SPC	ctlModel	-	
	SPCSO4Oper	OPER	ctlVal	200.016	CMD_1 : Command C004
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO5	SPC	ctlModel	-	
	SPCSO5Oper	OPER	ctlVal	200.021	CMD_1 : Command C005
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO6	SPC	ctlModel	-	
	SPCSO6Oper	OPER	ctlVal	200.026	CMD_1 : Command C006
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO7	SPC	ctlModel	-	
	SPCSO7Oper	OPER	ctlVal	200.031	CMD_1 : Command C007
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO8	SPC	ctlModel	-	
	SPCSO8Oper	OPER	ctlVal	200.036	CMD_1 : Command C008
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	SPCSO9	SPC	ctlModel	-	
	SPCSO9Oper	OPER	ctlVal	200.041	CMD_1 : Command C009
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO10	SPC	ctlModel	-	
	SPCSO10Oper	OPER	ctlVal	200.046	CMD_1 : Command C010
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO11	SPC	ctlModel	-	
	SPCSO11Oper	OPER	ctlVal	200.051	CMD_1 : Command C011
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO12	SPC	ctlModel	-	
	SPCSO12Oper	OPER	ctlVal	200.056	CMD_1 : Command C012
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO13	SPC	ctlModel	-	
	SPCSO13Oper	OPER	ctlVal	200.061	CMD_1 : Command C013
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO14	SPC	ctlModel	-	
	SPCSO14Oper	OPER	ctlVal	200.066	CMD_1 : Command C014
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO15	SPC	ctlModel	-	
	SPCSO15Oper	OPER	ctlVal	200.071	CMD_1 : Command C015
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO16	SPC	ctlModel	-	

Logical Node	Data Object	CDC	Data Attr.	Address	Description
	SPCSO16Oper	OPER	ctlVal	200.076	CMD_1 : Command C016
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO17	SPC	ctlModel	-	
	SPCSO17Oper	OPER	ctlVal	200.081	CMD_1 : Command C017
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO18	SPC	ctlModel	-	
	SPCSO18Oper	OPER	ctlVal	200.086	CMD_1 : Command C018
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO19	SPC	ctlModel	-	
	SPCSO19Oper	OPER	ctlVal	200.091	CMD_1 : Command C019
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO20	SPC	ctlModel	-	
	SPCSO20Oper	OPER	ctlVal	200.096	CMD_1 : Command C020
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO21	SPC	ctlModel	-	
	SPCSO21Oper	OPER	ctlVal	200.101	CMD_1 : Command C021
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO22	SPC	ctlModel	-	
	SPCSO22Oper	OPER	ctlVal	200.106	CMD_1 : Command C022
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO23	SPC	ctlModel	-	
	SPCSO23Oper	OPER	ctlVal	200.111	CMD_1 : Command C023

Logical Node	Data Object	CDC	Data Attr.	Address	Description
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO24	SPC	ctlModel	-	
	SPCSO24Oper	OPER	ctlVal	200.116	CMD_1 : Command C024
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO25	SPC	ctlModel	-	
	SPCSO25Oper	OPER	ctlVal	200.121	CMD_1 : Command C025
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	
	SPCSO26	SPC	ctlModel	-	
	SPCSO26Oper	OPER	ctlVal	200.126	CMD_1 : Command C026
			origin	-	
			ctlNum	-	
			T	-	
			Test	-	
			Check	-	

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