

MV electrical network management
Gestion des réseaux électriques MT

Easergy range

T300

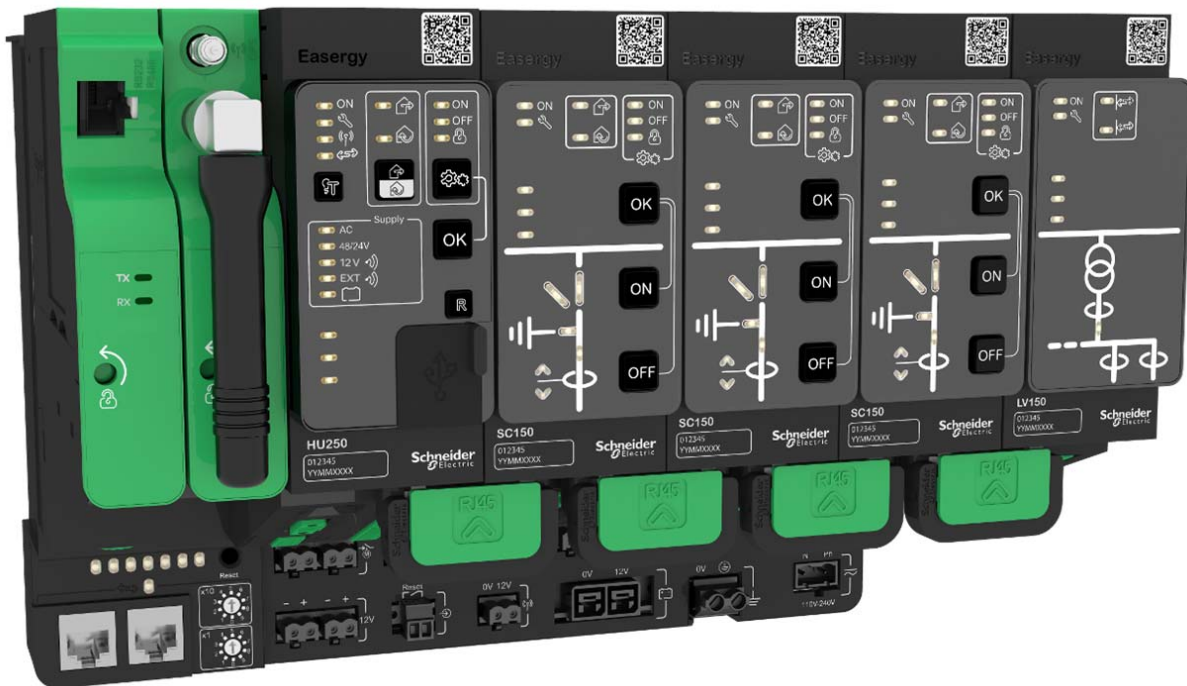
MV substation control unit

Unité de contrôle pour les réseaux de distribution

Database

Appendix to the User Manual

Annexe au Manuel Utilisateur



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1 Introduction

This document gives the list of data points supported by all the T300 modules. These points are automatically generated by the T300 Generator configuration tool.

Each point is defined by:

- A type of SCADA object,
- The first software version or variable from which the variable has been introduced,
- Its belonging to a generation option in the T300 generator.

Note that the correspondence between the data type and the SCADA objects is defined in the T300 Quick start user guide.

Note also that this list of data points can also be consulted in the RTU configuration interface of Easergy Builder software (in CoreDb tab).

Note: in the tables here after, "SCADA Object Type" correspond to the basic object type from a SCADA view: e.g. single or double digital input or outputs, analogue inputs/outputs or counters.

Note 2: Some variables have been scaled to harmonize the database format between all T300 modules. Scaling allows you to scale a variable from a T300 module having its own format. This "scaling" carried out in CoreDB must not be modified for the proper functioning of the unit.

Ce document donne la liste des données supportées par tous les modules T300.

Ces points sont automatiquement générés par l'outil de génération de configuration T300 Generator.

Chaque point (ou variable) est défini par :

- *Un type d'objet SCADA,*
- *La première version logicielle à partir de laquelle la variable a été introduite,*
- *L'appartenance de la variable à une option de génération dans le T300 Generator.*

A noter que la correspondance entre le type de donnée et les objets SCADA sont définis dans le Guide de démarrage T300.

A noter également que cette base de données peut être consultée dans l'interface de configuration RTU du logiciel Easergy Builder (onglet CoreDb).

Remarque : *dans les tableaux ci- après, "SCADA Object Type" correspond au type d'objet basique d'une vue SCADA, par exemple des entrées digitales simples ou doubles ou des sorties, des entrées / sorties analogiques ou des compteurs.*

Remarques 2 : *certaines variables ont été mises à l'échelle afin d'harmoniser le format de la base de données entre tous les modules T300. Le "scaling" permet de mettre à l'échelle une variable issue d'un module T300 ayant son propre format. Ce "scaling" réalisé dans CoreDB ne doit pas être modifié pour le bon fonctionnement de l'équipement.*

2 List of data points in CoreDb / Liste de données dans CoreDb

2.1 HU250

HU250						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V0.5	LLN0_CfgHealth_stVal_Fail	Head unit configuration error	Digital Input	0 = No configuration error 1 = Configuration error
	Base	V0.5	LLN0_BinHealth_stVal_Fail	Head unit error	Digital Input	0 = No error 1 = The HU250 is faulty
	Base	V0.5	LLN0_Health_stVal_Fail	General health error	Digital Input	0 = No error 1 = Error in PLC or HU250 or Modules
	Base	V0.5	LLN0_Health_stVal_Warn	General health warning	Digital Input	0 = No warning 1 = Warning in PLC or HU250 or Modules
	Base	V0.5	LLN0_ComHealth_stVal_Fail	Internal communication error	Digital input	0 = No communication error with tango modules 1 = A communication is faulty with one or many modules
	Base	V0.5	GenGAPC1_Health_stVal_Warn	PLC warning	Digital Input	0 = No warning 1 = A PLC signal is not mapped in CoreDb
	Base	V0.5	GenGAPC1_Health_stVal_Fail	PLC error	Digital Input	0 = No warning 1 = PLC program is stopped
	Base	V0.5	LTMS1_TmChErr_stVal	Time synchronization failure source 1	Digital Input	0 = No primary synchronization failure 1 = Fail in primary synchronization source
	Base	V0.5	LTMS2_TmChErr_stVal	Time synchronization failure source 2	Digital Input	0 = No secondary synchronization failure 1 = Fail in secondary synchronization source
	Base	V0.5	WiFiLCCH1_ChLiv_stVal	WIFI ON/OFF status	Digital Input	0 = Wi-Fi is off 1 = Wi-Fi is on
	Base	V0.5	WiFiLCCH1_Health_stVal_Fail	WIFI health error	Digital Input	0 = No error 1 = Error connecting to WIFI
	Base	V0.5	WiFiLCCH1_Health_stVal_Warn	WIFI health warning	Digital Input	0 = No warning 1 = WIFI connection in progress
	Base	V0.5	LLN0_Loc_stVal	System local / remote status	Digital Input	0 = T300 is in remote 1 = T300 is in local
	Base	V0.5	SysGAPC1_AutoLocked_stVal	System automation locked	Digital Input	0 = T300 automation is not locked 1 = T300 automation is locked
	Base	V0.5	SysGAPC1_Op_general	System automation operated	Digital Input	0 = Automation has not operated 1 = A T300 automation has operated
	Base	V0.5	SysGAPC1_Auto_stVal	System automation operation status (ON/OFF)	Digital Input	0 = T300 automation is OFF 1 = T300 automation is ON
	Base	V0.5	SysCILO1_OpStr_stVal	System switch command in progress	Digital Input	0 = No switch command in progress 1 = A switch command is in progress
	Base	V0.5	SysCILO1_OpTmAlm_stVal	System switch command failure	Digital Input	0 = No switch command failure 1 = Last switch command failed
	Base	V0.5	HPrsISAF1_Alm_stVal	Head Unit Human presence detected (button pressed)	Digital Input	0 = No human presence detected 1 = Human presence detected
Base	V0.5	FeaGGIO1_Ind1_stVal	Digital input 1	Digital Input	0 = Digital input 1 is off 1 = Digital input 1 is on	

HU250						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V0.5	FeaGGIO1_Ind2_stVal	Digital input 2	Digital Input	0 = Digital input 2 is off 1 = Digital input 2 is on
	Base	V0.5	FeaGGIO1_Ind3_stVal	Digital input 3	Digital Input	0 = Digital input 3 is off 1 = Digital input 3 is on
	Base	V0.5	FeaGGIO1_Ind4_stVal	Digital input 4	Digital Input	0 = digital input 4 is off 1 = Digital input 4 is on
	Base	V0.5	AcSVPI1_Prs_general	AC voltage presence - Digital input 5	Digital Input	0 = Digital input 5 is off 1 = Digital input 5 is on
	Base	V0.5	DoorISAF1_Alm_stVal	Door open - Digital input 6	Digital Input	0 = Digital input 6 is off 1 = Digital input 6 is on
	Base	V0.5	FeaGGIO1_Ind7_stVal	Digital input 7	Digital Input	0 = Digital input 7 is off 1 = Digital input 7 is on
	Base	V0.5	FeaGGIO1_Ind8_stVal	Digital input 8	Digital Input	0 = Digital input 8 is off 1 = Digital input 8 is on
	Base	V0.5	FeaGGIO1_SPSSO1_stVal	Digital output 1 status	Digital Input	0 = Digital output 1 is opened 1 = Digital output 2 is closed
	Base	V0.5	FeaGGIO1_SPSSO2_stVal	Digital output 2 status	Digital Input	0 = Digital output 1 is opened 1 = Digital output 2 is closed
	Base	V0.7	ComLPHD1_PhyPrs_stVal	Slot 1 physical modem detection status	Digital Input	0 = No K7 modem on slot 1 1 = A K7 modem has been detected on slot 1
	Base	V0.7	ComLPHD2_PhyPrs_stVal	Slot 2 physical modem detection status	Digital Input	0 = No K7 modem on slot 2 1 = A K7 modem has been detected on slot 2
	Base	V0.7	ComLPHD1_PhyHealth_Fail	Slot 1 physical modem health error	Digital Input	0 = No modem or channel configuration error on slot 1 1 = A modem or a channel is configured on slot1 and the expected K7 is not present or not the good one
	Base	V0.7	ComLPHD2_PhyHealth_Fail	Slot 2 physical modem health error	Digital Input	0 = No modem or channel configuration error on slot 2 1 = A modem or a channel is configured on slot 2 and the expected K7 is not present or not the good one
	Base	V0.7	MdmLCCH1_ChCfg_stVal	Slot 1 modem dial-up configured	Digital Input	0 = No modem dial-up is configured on slot 1 1 = A modem dial-up is configured on slot 1
	Base	V0.7	MdmLCCH2_ChCfg_stVal	Slot 2 modem dial-up configured	Digital Input	0 = No modem dial-up is configured on slot 2 1 = A modem dial-up is configured on slot 2
	Base	V0.7	MdmLCCH1_ChErr_stVal_Fail	Slot 1 modem dial-up health error	Digital Input	0 = No error on slot1 modem dial-up 1 = An error has occurred on slot1 modem dial-up
	Base	V0.7	MdmLCCH2_ChErr_stVal_Fail	Slot 2 modem dial-up health error	Digital Input	0 = No error on slot2 modem dial-up 1 = An error has occurred on slot2 modem dial-up
	Base	V0.7	MdmLCCH1_ChRssi_stVal	Slot 1 modem received signal strength Indication	Counter	0 = -113 dBm or less 1 = -111 dBm 2..30 = -109 ... -53 dBm 31 = -51 dBm or greater 99 = not known or not detectable

HU250						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V0.7	MdmLCCH2_ChRssi_stVal	Slot 2 modem received signal strength Indication	Counter	0 = -113 dBm or less 1 = -111 dBm 2..30 = -109 ... -53 dBm 31 = -51 dBm or greater 99 = not known or not detectable
	Base	V0.7	MdmLCCH1_ChRat_stVal	Slot 1 modem radio network type	Counter	0 = GPRS 1 = EDGE 2 = 3G 3 = HSDPA 4 = 4G
	Base	V0.7	MdmLCCH2_ChRat_stVal	Slot 2 modem radio network type	Counter	0 = GPRS 1 = EDGE 2 = 3G 3 = HSDPA 4 = 4G
	Base	V0.7	MdmLCCH1_ChLiv_stVal	Slot 1 ppp over modem interface status	Digital Input	0 = PPP interface on slot 1 modem dial-up is down 1 = PPP interface on slot 1 modem dial-up is up
	Base	V0.7	MdmLCCH2_ChLiv_stVal	Slot 2 ppp over modem interface status	Digital Input	0 = PPP interface on slot 2 modem dial-up on is down 1 = PPP interface on slot 2 modem dial-up on is up
	Base	V0.7	HealthSTMP1_Health_Fail	Temperature sensor error	Digital Input	0 = Sensor is connected and working properly 1 = Sensor is disconnected or is faulty
	Base	V0.7	SysIHMI1_RstS_stVal	Reset button, short pulse - reset FPI and automation	Digital Input	0->1 = A local automation and FPI reset has been executed
	Base	V0.7	SysIHMI1_Auto_stVal	Automation ON/OFF button	Digital Input	0 = Automation has been set to OFF locally 1 = Automation has been set to ON locally
	Base	V0.7	SysIHMI1_Led1_stVal	Led 1 status (indicates AC power on standard T300)	DB Digital Input	Correspond to led 1 status depending customization
	Base	V0.7	SysIHMI1_Led2_stVal	Led 2 status (indicates 24/48V motor supply on standard T300)	DB Digital Input	Correspond to led 2 status depending customization
	Base	V0.7	SysIHMI1_Led3_stVal	Led 3 status (indicates 12V communications supply on standard T300)	DB Digital Input	Correspond to led 3 status depending customization
	Base	V0.7	SysIHMI1_Led4_stVal	Led 4 status (indicates 12V communications supply fault on standard T300)	DB Digital Input	Correspond to led 4 status depending customization
	Base	V0.7	SysIHMI1_Led5_stVal	Led 5 status (indicates battery fault on standard T300)	DB Digital Input	Correspond to led 5 status depending customization
	Base	V0.7	SysIHMI1_Led6_stVal	Led 6 status (Generic Led 1)	DB Digital Input	Correspond to led 6 status depending customization
	Base	V0.7	SysIHMI1_Led7_stVal	Led 7 status (Generic Led 2)	DB Digital Input	Correspond to led 7 status depending customization
	Base	V0.7	SysIHMI1_Led8_stVal	Led 8 status (Generic Led 3)	DB Digital Input	Correspond to led 8 status depending customization
	Base	V0.7	FaultIHMI1_Lamp1_stVal	Lamp 1 status	Digital Input	Correspond to Lamp Green status depending customization
	Base	V0.7	FaultIHMI1_Lamp2_stVal	Lamp 2 status	Digital Input	Correspond to Lamp Red status depending customization
	Base	V1.3	GpsLCCH1_Health_stVal_Fail	GPS health error	Digital Input	0 = No warning 1 = Error with GPS connection

HU250						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Command	Base	V0.5	WiFiLCCH1_ChEna_stVal	WIFI ON/OFF command	Digital Output	0 = Switch off WIFI 1 = Switch on WIFI
	Base	V0.5	SysGAPC1_AutoOn_stVal	System automation operation control enable/disable	Digital Output	0 = Switch off automatism 1 = Switch on automatism
	Base	V0.5	SysGAPC1_AutoReset_stVal	System automation reset command	Digital Output	1 = Reset automation
	Base	V0.5	LLN0_FltIndRs_stVal	System reset FPI indicators (all modules)	Digital Output	1 = Reset T300 FPI indicators
	Base	V0.5	LLN0_FltCntRs_stVal	System reset FPI counters (all modules)	Digital Output	1 = Reset T300 FPI counters
	Base	V0.5	LLN0_EvtCntRs_stVal	System reset power quality event counters (MV modules)	Digital Output	1 = Reset T300 Power quality event counters
	Base	V0.5	LLN0_EnCntRs_stVal	System reset energy counters (MV modules)	Digital Output	1 = Reset T300 Energy counters
	Base	V0.5	FeaGGIO1_SPCSO1_stVal	Digital output 1 command	Digital Output	0 = Open digital output 1 1 = Close digital output 1
	Base	V0.5	FeaGGIO1_SPCSO2_stVal	Digital output 2 command	Digital Output	0 = Open digital output 2 1 = Close digital output 2
	Base	V1.2	LLN0_RsStat_stVal	System reset min/max average current values (MV modules)	Digital Output	1 = Reset T300 Min/Max values
	Base	V1.2	LLN0_EvtCntRs2_stVal	System reset power quality event counters (LV modules)	Digital Output	1 = Reset T300 Power quality event counters
	Base	V1.2	LLN0_EnCntRs2_stVal	System reset energy counters (LV modules)	Digital Output	1 = Reset T300 Energy counters
	Base	V1.2	LLN0_RsStat2_stVal	System reset min/max average current values (LV modules)	Digital Output	1 = Reset T300 Min/Max values
	Base	V1.2	SysIHMI1_TstLed_stVal	System led test (all modules)	Digital Output	1 = Switch on T300 led test
Base	V1.2	SysIHMI1_TstMod_stVal	System commissioning test (all modules)	Digital Output	1 = Switch on T300 commissioning test	

HU250										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V0.5	LPHD1_CpuRate_mag	CPU usage	Analogue Input	%	0	100		
	Base	V0.5	InstSTMP1_Tmp_mag	Temperature	Analogue Input	°C	-246	408		
	Base	V0.7	AvhSTMP1_Tmp_mag	Temperature: hourly average	Analogue Input	°C				

2.2 SC150

SC150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V0.4	LLN0_Health_stVal_Fail	Module health error	Digital Input	0 = Ok, 1 = Error
	Base	V0.4	LTMS1_TmSynErr_stVal	Time not synchronized	Digital Input	0 = Ok, 1 = Error
	Base	V0.4	LTMS1_TmChErr_stVal	Time synchronization source failure	Digital Input	0 = Ok, 1 = Error
	Base	V0.4	MainXSWI1_Pos_stVal	Main switch position status	DB Digital Input	0 = intermediate-state, 1 = off, 2 = on, 3 = bad-state
	Base	V0.4	MainCSWI1_Pos_stVal	Main switch filtered position status	DB Digital Input	0 = intermediate-state, 1 = off, 2 = on, 3 = bad-state
	Base	V0.4	MainCSWI1_OpStr_stVal	Switch operation started (command request / in progress)	Digital Input	0 = Inactive, 1 = Command in progress
	Base	V0.4	EarthXSWI1_Pos_stVal	Earth disconnecting switch position	DB Digital Input	0 = intermediate-state, 1 = off, 2 = on, 3 = bad-state
	Base	V0.4	MainSSWI1_OpTmAlm_stVal	Main switchgear control failure	Digital Input	0 = Ok, 1 = last command failed
	Base	V0.4	MainXSWI1_OpCnt_stVal	Main switch, number of operations	Counter	
	Base	V0.4	SimXSWI1_Pos_stVal	Simulated switch position status	DB Digital Input	0 = intermediate-state, 1 = off, 2 = on, 3 = bad-state
	Base	V0.4	FeaGGIO1_Ind5_stVal	Digital input 5 or Switch interlock input	Digital Input	0 = input inactive, 1 = input active
	Base	V0.4	ExtSVPI1_Prs_general	Digital input 6 or Voltage presence	Digital Input	0 = input inactive, 1 = input active
	Base	V0.4	FeaGGIO1_Ind7_stVal	Digital input 7	Digital Input	0 = input inactive, 1 = input active
	Base	V0.4	FeaGGIO1_Ind8_stVal	Digital input 8	Digital Input	0 = input inactive, 1 = input active
	Base	V0.4	HPrsISAF2_Alm_stVal	Module Human presence detected (button pressed)	Digital Input	0 = Ok, 1 = Human presence detected
	Base	V0.4	SvSVPI1_Abs_general	Voltage absence from measured values	Digital Input	0 = all voltages above threshold, 1 = at least 1 phase voltage below threshold
	Base	V0.4	SvSVPI1_Prs_general	Voltage presence from measured values	Digital Input	0 = at least 1 phase voltage below threshold, 1 = all phase voltages above threshold
	Base	V0.4	MvSVPI1_Prs_general	Voltage presence for HMI (from measured values or digital input)	Digital Input	Depending on the configuration setting, this is a copy of "Voltage presence from measured values" or "Digital input 6"
	Base	V0.4	SvSCPI1_Abs_general	Current absence from CT	Digital Input	0 = all currents above threshold, 1 = at least 1 phase current below threshold
	Base	V0.4	SvSCPI1_Prs_general	Current presence from CT	Digital Input	0 = at least 1 current below threshold, 1 = all phase currents above threshold
	Base	V0.4	SvSCPI1_Abs_general	Current absence from CT	Digital Input	0 = all currents above threshold, 1 = at least 1 phase current below threshold
	Base	V0.4	GenGAPC1_AutoLocked_stVal	Module automation locked	Digital Input	0 = unlocked, 1 = locked
	Base	V0.4	GenSFPI1_FltInd_general	General fault indication	Digital Input	0 = normal, 1 = fault detected
Base	V0.4	GenSFPI1_FltInd_phsA	Fault indication on phase A	Digital Input	0 = normal, 1 = fault detected	
Base	V0.4	GenSFPI1_FltInd_phsB	Fault indication on phase B	Digital Input	0 = normal, 1 = fault detected	

SC150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V0.4	GenSFPI1_FltInd_phcC	Fault indication on phase C	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	PhSFPI1_FltInd_general	Phase fault detected	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	EfSFPI1_FltInd_general	Earth fault detected	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	XcSFPI1_FltInd_general	Cross-country fault detected	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	GenSFPI1_InsNum_stVal	PTOC instance number for fault	Analogue Input	
	Base	V0.4	CbrRREC1_RecCyc_stVal	Calculated breaker reclose cycle count	Analogue Input	
	Base	V0.4	GenSFPI1_TrFItInd_general	Transient fault	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	GenSFPI1_SpFItInd_general	Semi-permanent fault	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	GenSFPI1_PmFItInd_general	Permanent fault	Digital Input	0 = normal, 1 = fault detected
	Base	V0.4	GenSFPI1_TrFItCnt_stVal	General transient fault count	Counter	
	Base	V0.4	GenSFPI1_SpFItCnt_stVal	General semi-permanent fault count	Counter	
	Base	V0.4	GenSFPI1_PmFItCnt_stVal	General permanent fault count	Counter	
	Base	V0.4	PhSFPI1_TrFItCnt_stVal	Phase transient fault count	Counter	
	Base	V0.4	PhSFPI1_SpFItCnt_stVal	Phase semi-permanent fault count	Counter	
	Base	V0.4	PhSFPI1_PmFItCnt_stVal	Phase permanent fault count	Counter	
	Base	V0.4	EfSFPI1_TrFItCnt_stVal	Earth transient fault count	Counter	
	Base	V0.4	EfSFPI1_SpFItCnt_stVal	Earth semi-permanent fault count	Counter	
	Base	V0.4	EfSFPI1_PmFItCnt_stVal	Earth permanent fault count	Counter	
	Base	V0.4	XcSFPI1_SpFItCnt_stVal	Cross-country semi-permanent fault count	Counter	
	Base	V0.4	XcSFPI1_PmFItCnt_stVal	Cross-country permanent fault count	Counter	
	Base	V0.4	LLN0_ActSG_stVal	Active settings group	Analogue Input	1 or 2
	Base	V1.0	PMr_MMxu1_QDetCodA_mag	Quality detail code for current	Analogue Input	0 = Good, 1 = Invalid, 3 = Questionable 11 = Questionable due to out-of-range, 65 = Invalid due to ADC Failure, 515 = Questionable and Inaccurate on startup
	Base	V1.0	PMr_MMxu1_QDetCodV_mag	Quality detail code for voltage	Analogue Input	See Quality detail code for current
	Base	V1.0	LCCH1_ChLiv_stVal	Module communication active status	Digital Input	0 = No communications, 1 = communications ok
	Base	V1.0	LLN0_CfgHealth_stVal_Warn	Configuration health	Digital Input	0 = Ok, 1 = Warning
	Base	V1.0	LPHD1_PhyHealth_stVal_Fail	Module physical health error	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	LTMS2_TmChErr_stVal	1Hz time signal unstable	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	MainSSWI1_OpErrCod_stVal	Main switchgear control failure reason code	Analogue Input	See appendix of T300 user manual
	Base	V1.0	GenGAPC1_Op_general	Module automation operated	Digital Input	0 = automation has not operated, 1 = automation has operated

SC150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V1.0	GenSFPI1_Prs_general	Network presence for FPI functions (voltage or current)	Digital Input	0 = network absent, 1 = network present. Depending on the configuration settings, this is a copy of the voltage presence or current presence inputs
	Base	V1.0	GenSFPI1_FltInd_dirGen_Fwd	Fault direction forward	Digital Input	0 = normal, 1 = fault detected in forward direction
	Base	V1.0	GenSFPI1_FltInd_dirGen_Bwd	Fault direction backward	Digital Input	0 = normal, 1 = fault detected in backward direction
	BC	V1.0	BCPTOV1_Op_general	Broken conductor detection - instance 1	Digital Input	0 = normal, 1 = fault detected
	BC	V1.0	BCPTOV2_Op_general	Broken conductor detection - instance 2	Digital Input	0 = normal, 1 = fault detected
	PQ	V1.0	PQS_QIUB1_VaStr_stVal	Current unbalance variation indication	Digital Input	0 = normal, 1 = current unbalance is greater than threshold
	PQ	V1.0	PQS_QVUB1_VaStr_stVal	Voltage unbalance variation indication	Digital Input	0 = normal, 1 = voltage unbalance is greater than threshold
	PQ	V1.0	PQS_QIUB1_VaEvtCnt_stVal	Current unbalance variation event counter	Counter	
	PQ	V1.0	PQS_QVUB1_VaEvtCnt_stVal	Voltage unbalance variation event counter	Counter	
	PQ	V1.0	PQS_QVVR1_DipStr_stVal	Voltage dip indication	Digital Input	0 = normal, 1 = dip in progress
	PQ	V1.0	PQS_QVVR1_SwlStr_stVal	Voltage swell indication	Digital Input	0 = normal, 1 = swell in progress
	PQ	V1.0	PQS_QVVR1_IntrStr_stVal	Voltage interruption indication	Digital Input	0 = normal, 1 = interruption in progress
	PQ	V1.0	PQS_QVVR1_DipEvtCnt1_stVal	Short duration voltage dip event count, duration less than EvtTmms1	Counter	
	PQ	V1.0	PQS_QVVR1_DipEvtCnt2_stVal	Medium duration voltage dip event count	Counter	
	PQ	V1.0	PQS_QVVR1_DipEvtCnt3_stVal	Long duration voltage dip event count, duration greater than EvtTmms2	Counter	
	PQ	V1.0	PQS_QVVR1_SwlEvtCnt1_stVal	Short duration voltage swell event count, duration less than EvtTmms1	Counter	
	PQ	V1.0	PQS_QVVR1_SwlEvtCnt2_stVal	Medium duration voltage swell event count	Counter	
	PQ	V1.0	PQS_QVVR1_SwlEvtCnt3_stVal	Long duration voltage swell event count, duration greater than EvtTmms2	Counter	
	PQ	V1.0	PQS_QVVR1_IntrEvtCnt1_stVal	Short interruption counter	Counter	
	PQ	V1.0	PQS_QVVR1_IntrEvtCnt2_stVal	Long interruption counter	Counter	
	Base	V1.1	LTMS2_TmSynErr_stVal	1Hz time signal not synchronised (IEEE1588)	Digital Input	0 = Ok, 1 = Error
	Base	V1.1	LTMS2_OfsTmns_stVal	Offset from master clock	Analogue Input	
	Base	V1.1	LCCH2_InOv_stVal	Internal communications sampled values lost	Digital Input	0 = Ok, 1 = Warning
	Base	V1.1	LCCH1_MvOutOv_stVal	Module communications analog measurement events lost	DB Digital Input	0 = Ok, 1 = Warning
	Base	V1.1	LCCH1_SpOutOv_stVal	Module communications status events lost	DB Digital Input	0 = Ok, 1 = Warning
	Base	V1.1	LCCH1_CntOutOv_stVal	Module communications counter events lost	DB Digital Input	0 = Ok, 1 = Warning

SC150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V1.1	GenSFPI1_FltInd_dirGen	Fault direction: none forward backward unknown	DB Digital Input	0 = none, 1 = forward, 2 = backward, 3 = unknown
	Base	V1.1	GenSFPI1_FltInd_dirGen_Unk	Fault direction unknown	Digital Input	0 = normal, 1 = fault detected with unknown direction
	Base	V1.1	FwdSFST1_TrFltCnt_stVal	General transient fault count in forward direction	Counter	
	Base	V1.1	FwdSFST1_SpFltCnt_stVal	General semi-permanent fault count in forward direction	Counter	
	Base	V1.1	FwdSFST1_PmFltCnt_stVal	General permanent fault count in forward direction	Counter	
	Base	V1.1	BwdSFST1_TrFltCnt_stVal	General transient fault count in backward direction	Counter	
	Base	V1.1	BwdSFST1_SpFltCnt_stVal	General semi-permanent fault count in backward direction	Counter	
	Base	V1.1	BwdSFST1_PmFltCnt_stVal	General permanent fault count in backward direction	Counter	
	Base	V1.1	UnkSFST1_TrFltCnt_stVal	General transient fault count in unknown direction	Counter	
	Base	V1.1	UnkSFST1_SpFltCnt_stVal	General semi-permanent fault count in unknown direction	Counter	
Base	V1.1	UnkSFST1_PmFltCnt_stVal	General permanent fault count in unknown direction	Counter		

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Status	PM	V1.1	PMa_MM XU1_ClcIntvPer_setVal	Calculation Interval Period	Analogue Input for Integer Setting	min	1	60		10

SC150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V1.2	AbsPTUV1_Op_general	Voltage absence indication instance 1	Digital Input	0 = Ok, 1 = at least one voltage below threshold
	Base	V1.2	PrsPTOV1_Op_general	Voltage presence indication instance 1	Digital Input	0 = Ok, 1 = at least one voltage above threshold
	Base	V1.2	AbsPTUV2_Op_general	Voltage absence indication instance 2	Digital Input	0 = Ok, 1 = at least one voltage below threshold
	Base	V1.2	PrsPTOV2_Op_general	Voltage presence indication instance 2	Digital Input	0 = Ok, 1 = at least one voltage above threshold
	Base	V1.2	NeutPTOV1_Op_general	Voltage neutral displacement indication 1	Digital Input	0 = Ok, 1 = neutral voltage above threshold
	Base	V1.2	NeutPTOV2_Op_general	Voltage neutral displacement indication 2	Digital Input	0 = Ok, 1 = neutral voltage above threshold
	Base	V1.2	NeutPTOV3_Op_general	Voltage neutral displacement indication 3	Digital Input	0 = Ok, 1 = neutral voltage above threshold

SC150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Command	Base	V0.4	MainCSWI1_PosCtlVal_stVal	Switch position requested via Head Unit	DB Digital Output	0 = ignored, 1 =off, 2= on
	Base	V0.4	MainCSWI1_EnaOp_stVal	Enable operation from Head Unit	Digital Output	Only applies if command is in progress 0 = block operation, 1 = enable operation
	Base	V0.4	MainCSWI1_BlKOp_stVal	Block operation from Head Unit	Digital Output	Only applies if command is in progress 0 = allow operation, 1 = block operation
	Base	V0.4	MainXSWI1_OpCntRs_stVal	Number of operations preset	Counter Preset	0 -> 2147483647
	Base	V0.4	SimCSWI1_PosCtlVal_stVal	Simulated switch position control	DB Digital Output	0 = ignored, 1 =off, 2 = on
	Base	V0.4	GenGAPC1_PosCtlVal_stVal	Switch position requested from Head Unit automation	DB Digital Output	0 = ignored, 1 =off, 2 = on
	Base	V0.4	GenSFPI1_TrFltCntRs_stVal	General transient fault counter reset command	Counter Preset	0 -> 2147483647
	Base	V0.4	GenSFPI1_SpFltCntRs_stVal	General semi-permanent fault counter reset command	Counter Preset	0 -> 2147483647
	Base	V0.4	GenSFPI1_PmFltCntRs_stVal	General permanent fault counter reset command	Counter Preset	0 -> 2147483647
	Base	V0.4	PhSFPI1_TrFltCntRs_stVal	Phase transient fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	PhSFPI1_SpFltCntRs_stVal	Phase semi-permanent fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	PhSFPI1_PmFltCntRs_stVal	Phase permanent fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	EfSFPI1_TrFltCntRs_stVal	Earth transient fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	EfSFPI1_SpFltCntRs_stVal	Earth semi-permanent fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	EfSFPI1_PmFltCntRs_stVal	Earth permanent fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	XcSFPI1_SpFltCntRs_stVal	Cross-country semi-permanent fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	XcSFPI1_PmFltCntRs_stVal	Cross-country permanent fault counter preset command	Counter Preset	0 -> 2147483647
	Base	V0.4	LLN0_ActSG1_stVal	Module select settings group 1	Digital Output	0 = ignored, 1 = select settings group 1
Base	V0.4	LLN0_ActSG2_stVal	Module select settings group 2	Digital Output	0 = ignored, 1 = select settings group 2	

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V0.4	PMr_MM XU1_A_phsA	RMS current phase A	Analogue Input	A				
	Base	V0.4	PMr_MM XU1_A_phsB	RMS current phase B	Analogue Input	A				
	Base	V0.4	PMr_MM XU1_A_phsC	RMS current phase C	Analogue Input	A				
	Base	V0.4	PMr_MM XU1_A_res	RMS current residual (measured or calculated)	Analogue Input	A				
	Base	V0.4	PMr_MM XN1_Amp_mag	RMS current residual (measured)	Analogue Input	A				
	Base	V0.4	PMr_MM XU1_AvAPhs_mag	Mean RMS phase current	Analogue Input	A				
	Base	V0.4	PMr_MM XU1_PhV_phsA	RMS voltage phase A	Analogue Input	V				
	Base	V0.4	PMr_MM XU1_PhV_phsB	RMS voltage phase B	Analogue Input	V				
	Base	V0.4	PMr_MM XU1_PhV_phsC	RMS voltage phase C	Analogue Input	V				
	Base	V0.4	PMr_MM XU1_PhV_neut	RMS voltage neutral (calculated)	Analogue Input	V				
	Base	V0.4	PMr_MM XU1_AvPhVPhs_mag	Mean RMS voltage phase-N	Analogue Input	V				
	Base	V0.4	PMr_MM XU1_Hz_mag	Frequency	Analogue Input	Hz				
	Base	V1.0	PMr_MM XN2_Amp_mag	RMS current residual (calculated)	Analogue Input	A				
	Base	V1.0	PMi_MM XU1_PhV_phsA	Voltage indication phase A %	Analogue Input	%				
	Base	V1.0	PMi_MM XU1_PhV_phsB	Voltage indication phase B %	Analogue Input	%				
	Base	V1.0	PMi_MM XU1_PhV_phsC	Voltage indication phase C %	Analogue Input	%				
	Base	V1.0	PMi_MM XU1_AvPhVPhs_mag	Mean voltage indication %	Analogue Input	%				
	Base	V1.0	PMr_MM XU1_PPV_phsAB	RMS voltage phase A to phase B	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PPV_phsBC	RMS voltage phase B to phase C	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PPV_phsCA	RMS voltage phase C to phase A	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_AvPPVPhs_mag	Mean RMS voltage between phases	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_W_phsA	P Real power, phase A	Analogue Input	W				
	PM	V1.0	PMr_MM XU1_W_phsB	P Real power, phase B	Analogue Input	W				
	PM	V1.0	PMr_MM XU1_W_phsC	P Real power, phase C	Analogue Input	W				
	PM	V1.0	PMr_MM XU1_TotW_mag	P Real power, total	Analogue Input	W				
	PM	V1.0	PMr_MM XU1_VAR_phsA	Q Reactive power, phase A	Analogue Input	VAr				
	PM	V1.0	PMr_MM XU1_VAR_phsB	Q Reactive power, phase B	Analogue Input	VAr				
	PM	V1.0	PMr_MM XU1_VAR_phsC	Q Reactive power, phase C	Analogue Input	VAr				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PM	V1.0	PMr_MM XU1_TotVAr_mag	Q Reactive power, total	Analogue Input	VAr				
	PM	V1.0	PMr_MM XU1_VA_phsA	S Apparent power, phase A	Analogue Input	VA				
	PM	V1.0	PMr_MM XU1_VA_phsB	S Apparent power, phase B	Analogue Input	VA				
	PM	V1.0	PMr_MM XU1_VA_phsC	S Apparent power, phase C	Analogue Input	VA				
	PM	V1.0	PMr_MM XU1_TotVA_mag	S Apparent power, total	Analogue Input	VA				
	PM	V1.0	PMr_MM XU1_PF_phsA	Power factor, phase A	Analogue Input					
	PM	V1.0	PMr_MM XU1_PF_phsB	Power factor, phase B	Analogue Input					
	PM	V1.0	PMr_MM XU1_PF_phsC	Power factor, phase C	Analogue Input					
	PM	V1.0	PMr_MM XU1_TotPF_mag	True power factor, total	Analogue Input					
	PM	V1.0	T00MMTR1_TotWh_actVal	Total net active energy	Analogue Input	Wh				
	PM	V1.0	T00MMTR1_TotVArh_actVal	Total net reactive energy	Analogue Input	VArh				
	PM	V1.0	T00MMTR1_TotVAh_actVal	Total net apparent energy	Analogue Input	VAh				
	PM	V1.0	T00MMTR1_SupWh_actVal	Net real energy supplied	Analogue Input	Wh				
	PM	V1.0	T00MMTR1_SupVArh_actVal	Net reactive energy supplied	Analogue Input	VArh				
	PM	V1.0	T00MMTR1_DmdWh_actVal	Net real energy demand	Analogue Input	Wh				
	PM	V1.0	T00MMTR1_DmdVArh_actVal	Net reactive energy demand	Analogue Input	VArh				
	PM	V1.0	T00MMTR1_SupVArhPs_actVal	Positive reactive energy supplied	Analogue Input	VArh				
	PM	V1.0	T00MMTR1_SupVArhNg_actVal	Negative reactive energy supplied	Analogue Input	VArh				
	PM	V1.0	T00MMTR1_DmdVArhPs_actVal	Positive reactive energy demand	Analogue Input	VArh				
	PM	V1.0	T00MMTR1_DmdVArhNg_actVal	Negative reactive energy demand	Analogue Input	VArh				
	PM	V1.0	PhAMMTN1_TotWh_actVal	Net real energy, phase A	Analogue Input	Wh				
	PM	V1.0	PhAMMTN1_TotVArh_actVal	Net reactive energy, phase A	Analogue Input	VArh				
	PM	V1.0	PhAMMTN1_TotVAh_actVal	Net apparent energy, phase A	Analogue Input	VAh				
	PM	V1.0	PhBMMTN1_TotWh_actVal	Net real energy, phase B	Analogue Input	Wh				
	PM	V1.0	PhBMMTN1_TotVArh_actVal	Net reactive energy, phase B	Analogue Input	VArh				
	PM	V1.0	PhBMMTN1_TotVAh_actVal	Net apparent energy, phase B	Analogue Input	VAh				
	PM	V1.0	PhCMMTN1_TotWh_actVal	Net real energy, phase C	Analogue Input	Wh				
	PM	V1.0	PhCMMTN1_TotVArh_actVal	Net reactive energy, phase C	Analogue Input	VArh				
	PM	V1.0	PhCMMTN1_TotVAh_actVal	Net apparent energy, phase C	Analogue Input	VAh				
	PQ	V1.0	PQS2MM XU1_PhV_phsA	RMS voltage phase A, 10 minute period	Analogue Input	V				

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.0	PQS2MMXU1_PhV_phsB	RMS voltage phase B, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_PhV_phsC	RMS voltage phase C, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_PhV_neut	RMS voltage neutral (calculated), 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_AvPhVPhs_mag	Mean RMS voltage phase-N, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_phsA	RMS voltage phase A, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_phsB	RMS voltage phase B, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_phsC	RMS voltage phase C, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_neut	RMS voltage neutral (calculated), 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_AvPhVPhs_mag	Mean RMS voltage phase-N, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS1MSQI1_lmbNgA_mag	Current negative sequence imbalance (I2 / I1), 150/180 cycle period	Analogue Input	%				
	PQ	V1.0	PQS2MSQI1_lmbNgA_mag	Current negative sequence imbalance (I2 / I1), 10 minute period	Analogue Input	%				
	PQ	V1.0	PQS3MSQI1_lmbNgA_mag	Current negative sequence imbalance (I2 / I1), 2 hour period	Analogue Input	%				
	PQ	V1.0	PQS1MSQI1_lmbNgV_mag	Voltage negative sequence imbalance (V2 / V1), 150/180 cycle period	Analogue Input	%				
	PQ	V1.0	PQS2MSQI1_lmbNgV_mag	Voltage negative sequence imbalance (V2 / V1), 10 minute period	Analogue Input	%				
	PQ	V1.0	PQS3MSQI1_lmbNgV_mag	Voltage negative sequence imbalance (V2 / V1), 2 hour period	Analogue Input	%				
	PQ	V1.0	PQS_QVVR1_VVa_mag	Last voltage variation value	Analogue Input	V				
	PQ	V1.0	PQS_QVVR1_VvaTm_mag	Last voltage variation duration	Analogue Input	s				
	PQ	V1.0	PQS_QVVR1_AffPhs_stVal	Last voltage variation affected phases	Analogue Input		1 = phase A, 2 = phase B, 4 = phase C 3 = phase A and B, 5 = phase A and C 6 = phase B and C, 7 = phases A, B, C			
	Base	V1.1	PreFitMMXU1_A_phsA	Last RMS current phase A before fault	Analogue Input	A				

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.1	PreFitMMXU1_A_phsB	Last RMS current phase B before fault	Analogue Input	A				
	Base	V1.1	PreFitMMXU1_A_phsC	Last RMS current phase C before fault	Analogue Input	A				
	Base	V1.1	PreFitMMXU1_A_res	Last RMS current residual before fault	Analogue Input	A				
	Base	V1.1	PreFitMMXU1_AvAPhs_mag	Last mean RMS phase current before fault	Analogue Input	A				
	Base	V1.1	PreFitMMXU1_PhV_phsA	Last RMS voltage phase A before fault	Analogue Input	V				
	Base	V1.1	PreFitMMXU1_PhV_phsB	Last RMS voltage phase B before fault	Analogue Input	V				
	Base	V1.1	PreFitMMXU1_PhV_phsC	Last RMS voltage phase C before fault	Analogue Input	V				
	Base	V1.1	PreFitMMXU1_PhV_neut	Last RMS voltage neutral before fault	Analogue Input	V				
	Base	V1.1	PreFitMMXU1_AvPhVPhs_mag	Last mean RMS phase voltage before fault	Analogue Input	V				
	PM	V1.1	PMa_MMXU1_A_phsA	Average current phase A	Analogue Input	A				
	PM	V1.1	PMa_MMXU1_A_phsB	Average current phase B	Analogue Input	A				
	PM	V1.1	PMa_MMXU1_A_phsC	Average current phase C	Analogue Input	A				
	PM	V1.1	PMa_MMXU1_A_res	Average current residual (calculated)	Analogue Input	A				
	PM	V1.1	PMa_MMXU1_loA_mag	Average current residual (measured)	Analogue Input	A				
	PM	V1.1	PMa_MMXU1_AvAPhs_mag	Average of Mean current phases A,B,C	Analogue Input	A				
	PM	V1.1	PMa_MMXU1_PhV_phsA	Average voltage phase A	Analogue Input	V				
	PM	V1.1	PMa_MMXU1_PhV_phsB	Average voltage phase B	Analogue Input	V				
	PM	V1.1	PMa_MMXU1_PhV_phsC	Average voltage phase C	Analogue Input	V				
	PM	V1.1	PMa_MMXU1_PhV_neut	Average voltage neutral (calculated)	Analogue Input	V				
	PM	V1.1	PMa_MMXU1_AvPhVPhs_mag	Average of Mean voltage phases A, B,C	Analogue Input	V				
	PM	V1.1	PMa_MMXU1_W_phsA	Average P Real power, phase A	Analogue Input	W				
	PM	V1.1	PMa_MMXU1_W_phsB	Average P Real power, phase B	Analogue Input	W				
	PM	V1.1	PMa_MMXU1_W_phsC	Average P Real power, phase C	Analogue Input	W				
	PM	V1.1	PMa_MMXU1_TotW_mag	Average P Real power, total	Analogue Input	W				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PM	V1.1	PMa_MMXU1_VAR_phsA	Average Q Reactive power, phase A	Analogue Input	VAr				
	PM	V1.1	PMa_MMXU1_VAR_phsB	Average Q Reactive power, phase B	Analogue Input	VAr				
	PM	V1.1	PMa_MMXU1_VAR_phsC	Average Q Reactive power, phase C	Analogue Input	VAr				
	PM	V1.1	PMa_MMXU1_TotVAr_mag	Average Q Reactive power, total	Analogue Input	VAr				
	PM	V1.1	PMa_MMXU1_VA_phsA	Average S Apparent power, phase A	Analogue Input	VA				
	PM	V1.1	PMa_MMXU1_VA_phsB	Average S Apparent power, phase B	Analogue Input	VA				
	PM	V1.1	PMa_MMXU1_VA_phsC	Average S Apparent power, phase C	Analogue Input	VA				
	PM	V1.1	PMa_MMXU1_TotVA_mag	Average S Apparent power, total	Analogue Input	VA				
	PM	V1.1	PMndMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous day	Analogue Input	A				
	PM	V1.1	PMnwMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous week	Analogue Input	A				
	PM	V1.1	PMnmMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous month	Analogue Input	A				
	PM	V1.1	PMnyMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous year	Analogue Input	A				
	PM	V1.1	PMxdMMXU1_AvAPhs_mag	Maximum of average of Mean RMS phase current, previous day	Analogue Input	A				
	PM	V1.1	PMxwMMXU1_AvAPhs_mag	Maximum of average of Mean RMS phase current, previous week	Analogue Input	A				
	PQ	V1.1	PQS_MHAI1_ThdPhV_phsA	Voltage phase A total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_ThdPhV_phsB	Voltage phase B total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_ThdPhV_phsC	Voltage phase C total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_AvThdPhV_mag	Mean voltage total harmonic distortion	Analogue Input	%				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS_MHAI1_ThdA_phsA	Current phase A total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_ThdA_phsB	Current phase B total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_ThdA_phsC	Current phase C total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_AvThdA_mag	Mean current total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV01_phsA_mag	Voltage phase A harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.1	PQS_MHAI1_HPhV01_phsB_mag	Voltage phase B harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.1	PQS_MHAI1_HPhV01_phsC_mag	Voltage phase C harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.1	PQS_MHAI1_HPhV01_neut_mag	Voltage neutral harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.1	PQS_MHAI1_AvHPhV01_mag	Mean voltage harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.1	PQS_MHAI1_HPhV01_phsA_ang	Voltage phase A harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HPhV01_phsB_ang	Voltage phase B harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HPhV01_phsC_ang	Voltage phase C harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HPhV01_neut_ang	Voltage neutral harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HPhV02_phsA	Voltage phase A harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV02_phsB	Voltage phase B harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV02_phsC	Voltage phase C harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV03_phsA	Voltage phase A harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV03_phsB	Voltage phase B harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV03_phsC	Voltage phase C harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV04_phsA	Voltage phase A harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV04_phsB	Voltage phase B harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV04_phsC	Voltage phase C harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV05_phsA	Voltage phase A harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV05_phsB	Voltage phase B harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV05_phsC	Voltage phase C harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV06_phsA	Voltage phase A harmonic 6	Analogue Input	%				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS_MHAI1_HPhV06_phsB	Voltage phase B harmonic 6	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV06_phsC	Voltage phase C harmonic 6	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV07_phsA	Voltage phase A harmonic 7	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV07_phsB	Voltage phase B harmonic 7	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV07_phsC	Voltage phase C harmonic 7	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV08_phsA	Voltage phase A harmonic 8	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV08_phsB	Voltage phase B harmonic 8	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV08_phsC	Voltage phase C harmonic 8	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV09_phsA	Voltage phase A harmonic 9	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV09_phsB	Voltage phase B harmonic 9	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV09_phsC	Voltage phase C harmonic 9	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV10_phsA	Voltage phase A harmonic 10	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV10_phsB	Voltage phase B harmonic 10	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV10_phsC	Voltage phase C harmonic 10	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV11_phsA	Voltage phase A harmonic 11	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV11_phsB	Voltage phase B harmonic 11	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV11_phsC	Voltage phase C harmonic 11	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV12_phsA	Voltage phase A harmonic 12	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV12_phsB	Voltage phase B harmonic 12	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV12_phsC	Voltage phase C harmonic 12	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV13_phsA	Voltage phase A harmonic 13	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV13_phsB	Voltage phase B harmonic 13	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV13_phsC	Voltage phase C harmonic 13	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV14_phsA	Voltage phase A harmonic 14	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV14_phsB	Voltage phase B harmonic 14	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV14_phsC	Voltage phase C harmonic 14	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV15_phsA	Voltage phase A harmonic 15	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV15_phsB	Voltage phase B harmonic 15	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HPhV15_phsC	Voltage phase C harmonic 15	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA01_phsA_mag	Current phase A harmonic 1 - magnitude	Analogue Input	A				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS_MHAI1_HA01_phsB_mag	Current phase B harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.1	PQS_MHAI1_HA01_phsC_mag	Current phase C harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.1	PQS_MHAI1_HA01_neut_mag	Current residual harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.1	PQS_MHAI1_AvHA01_mag	Mean current harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.1	PQS_MHAI1_HA01_phsA_ang	Current phase A harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HA01_phsB_ang	Current phase B harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HA01_phsC_ang	Current phase C harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HA01_neut_ang	Current residual harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.1	PQS_MHAI1_HA02_phsA_mag	Current phase A harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA02_phsB_mag	Current phase B harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA02_phsC_mag	Current phase C harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA03_phsA	Current phase A harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA03_phsB	Current phase B harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA03_phsC	Current phase C harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA04_phsA	Current phase A harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA04_phsB	Current phase B harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA04_phsC	Current phase C harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA05_phsA	Current phase A harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA05_phsB	Current phase B harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA05_phsC	Current phase C harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA06_phsA	Current phase A harmonic 6	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA06_phsB	Current phase B harmonic 6	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA06_phsC	Current phase C harmonic 6	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA07_phsB	Current phase B harmonic 7	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA07_phsC	Current phase C harmonic 7	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA08_phsA	Current phase A harmonic 8	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA08_phsB	Current phase B harmonic 8	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA08_phsC	Current phase C harmonic 8	Analogue Input	%				

SC150											
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut	
Analog	PQ	V1.1	PQS_MHAI1_HA09_phsA	Current phase A harmonic 9	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA09_phsB	Current phase B harmonic 9	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA09_phsC	Current phase C harmonic 9	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA09_phsA	Current phase A harmonic 9	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA09_phsB	Current phase B harmonic 9	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA09_phsC	Current phase C harmonic 9	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA10_phsA	Current phase A harmonic 10	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA10_phsB	Current phase B harmonic 10	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA10_phsC	Current phase C harmonic 10	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA11_phsA	Current phase A harmonic 11	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA11_phsB	Current phase B harmonic 11	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA11_phsC	Current phase C harmonic 11	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA12_phsA	Current phase A harmonic 12	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA12_phsB	Current phase B harmonic 12	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA12_phsC	Current phase C harmonic 12	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA13_phsA	Current phase A harmonic 13	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA13_phsB	Current phase B harmonic 13	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA13_phsC	Current phase C harmonic 13	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA14_phsA	Current phase A harmonic 14	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA14_phsB	Current phase B harmonic 14	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA14_phsC	Current phase C harmonic 14	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA15_phsA	Current phase A harmonic 15	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA15_phsB	Current phase B harmonic 15	Analogue Input	%					
	PQ	V1.1	PQS_MHAI1_HA15_phsC	Current phase C harmonic 15	Analogue Input	%					
	PQ	V1.2	PQS2MHAI1_ThdPhV_phsA	Voltage phase A total harmonic distortion - 10 minutes	Analogue Input	%					
	PQ	V1.2	PQS2MHAI1_ThdPhV_phsB	Voltage phase B total harmonic distortion - 10 minutes	Analogue Input	%					
	PQ	V1.2	PQS2MHAI1_ThdPhV_phsC	Voltage phase C total harmonic distortion - 10 minutes	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS2MHAI1_AvThdPhV_mag	Mean voltage total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdPhV_phsA	Voltage phase A total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdPhV_phsB	Voltage phase B total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdPhV_phsC	Voltage phase C total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_AvThdPhV_mag	Mean voltage total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_ThdA_res	Current residual total harmonic distortion	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_ThdA_phsA	Current phase A total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_ThdA_phsB	Current phase B total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_ThdA_phsC	Current phase C total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_ThdA_res	Current residual total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_AvThdA_mag	Mean current total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdA_phsA	Current phase A total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdA_phsB	Current phase B total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdA_phsC	Current phase C total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_ThdA_res	Current residual total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_AvThdA_mag	Mean current total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV01_phsA	Voltage phase A harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.2	PQS2MHAI1_HPhV01_phsB	Voltage phase B harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.2	PQS2MHAI1_HPhV01_phsC	Voltage phase C harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.2	PQS2MHAI1_AvHPhV01_mag	Mean voltage harmonic 1 - 10 minutes	Analogue Input	V				
PQ	V1.2	PQS2MHAI1_HPhV02_phsA	Voltage phase A harmonic 2 - 10 minutes	Analogue Input	%					

SC150										
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Analog	PQ	V1.2	PQS2MHAI1_HPhV02_phsB	Voltage phase B harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV02_phsC	Voltage phase C harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV03_phsA	Voltage phase A harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV03_phsB	Voltage phase B harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV03_phsC	Voltage phase C harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV04_phsA	Voltage phase A harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV04_phsB	Voltage phase B harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV04_phsC	Voltage phase C harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV05_phsA	Voltage phase A harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV05_phsB	Voltage phase B harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV05_phsC	Voltage phase C harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV06_phsA	Voltage phase A harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV06_phsB	Voltage phase B harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV06_phsC	Voltage phase C harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV07_phsA	Voltage phase A harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV07_phsB	Voltage phase B harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV07_phsC	Voltage phase C harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV08_phsA	Voltage phase A harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV08_phsB	Voltage phase B harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV08_phsC	Voltage phase C harmonic 8 - 10 minutes	Analogue Input	%				
PQ	V1.2	PQS2MHAI1_HPhV09_phsA	Voltage phase A harmonic 9 - 10 minutes	Analogue Input	%					
PQ	V1.2	PQS2MHAI1_HPhV09_phsB	Voltage phase B harmonic 9 - 10 minutes	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS2MHAI1_HPhV09_phsC	Voltage phase C harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV10_phsA	Voltage phase A harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV10_phsB	Voltage phase B harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV10_phsC	Voltage phase C harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV11_phsA	Voltage phase A harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV11_phsB	Voltage phase B harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV11_phsC	Voltage phase C harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV12_phsA	Voltage phase A harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV12_phsB	Voltage phase B harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV12_phsC	Voltage phase C harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV13_phsA	Voltage phase A harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV13_phsB	Voltage phase B harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV13_phsC	Voltage phase C harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV14_phsA	Voltage phase A harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV14_phsB	Voltage phase B harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV14_phsC	Voltage phase C harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV15_phsA	Voltage phase A harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV15_phsB	Voltage phase B harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HPhV15_phsC	Voltage phase C harmonic 15 - 10 minutes	Analogue Input	%				
		PQ	V1.2	PQS3MHAI1_HPhV01_phsA	Voltage phase A harmonic 1 - 2 hours	Analogue Input	V			
	PQ	V1.2	PQS3MHAI1_HPhV01_phsB	Voltage phase B harmonic 1 - 2 hours	Analogue Input	V				
	PQ	V1.2	PQS3MHAI1_HPhV01_phsC	Voltage phase C harmonic 1 - 2 hours	Analogue Input	V				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS3MHAI1_AvHPHv01_mag	Mean voltage harmonic 1 - 2 hours	Analogue Input	V				
	PQ	V1.2	PQS3MHAI1_HPhV02_phsA	Voltage phase A harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV02_phsB	Voltage phase B harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV02_phsC	Voltage phase C harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV03_phsA	Voltage phase A harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV03_phsB	Voltage phase B harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV03_phsC	Voltage phase C harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV04_phsA	Voltage phase A harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV04_phsB	Voltage phase B harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV04_phsC	Voltage phase C harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV05_phsA	Voltage phase A harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV05_phsB	Voltage phase B harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV05_phsC	Voltage phase C harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV06_phsA	Voltage phase A harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV06_phsB	Voltage phase B harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV06_phsC	Voltage phase C harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV07_phsA	Voltage phase A harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV07_phsB	Voltage phase B harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV07_phsC	Voltage phase C harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV08_phsA	Voltage phase A harmonic 8 - 2 hours	Analogue Input	%				
PQ	V1.2	PQS3MHAI1_HPhV08_phsB	Voltage phase B harmonic 8 - 2 hours	Analogue Input	%					
PQ	V1.2	PQS3MHAI1_HPhV08_phsC	Voltage phase C harmonic 8 - 2 hours	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS3MHAI1_HPhV09_phsA	Voltage phase A harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV09_phsB	Voltage phase B harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV09_phsC	Voltage phase C harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV10_phsA	Voltage phase A harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV10_phsB	Voltage phase B harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV10_phsC	Voltage phase C harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV11_phsA	Voltage phase A harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV11_phsB	Voltage phase B harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV11_phsC	Voltage phase C harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV12_phsA	Voltage phase A harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV12_phsB	Voltage phase B harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV12_phsC	Voltage phase C harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV13_phsA	Voltage phase A harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV13_phsB	Voltage phase B harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV13_phsC	Voltage phase C harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV14_phsA	Voltage phase A harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV14_phsB	Voltage phase B harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV14_phsC	Voltage phase C harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV15_phsA	Voltage phase A harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HPhV15_phsB	Voltage phase B harmonic 15 - 2 hours	Analogue Input	%				
PQ	V1.2	PQS3MHAI1_HPhV15_phsC	Voltage phase C harmonic 15 - 2 hours	Analogue Input	%					
PQ	V1.2	PQS_MHAI1_HA02_res_mag	Current residual harmonic 2	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS_MHAI1_HA03_res	Current residual harmonic 3	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA04_res	Current residual harmonic 4	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA05_res	Current residual harmonic 5	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA06_res	Current residual harmonic 6	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA07_res	Current residual harmonic 7	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA08_res	Current residual harmonic 8	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA09_res	Current residual harmonic 9	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA10_res	Current residual harmonic 10	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA11_res	Current residual harmonic 11	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA12_res	Current residual harmonic 12	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA13_res	Current residual harmonic 13	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA14_res	Current residual harmonic 14	Analogue Input	%				
	PQ	V1.2	PQS_MHAI1_HA15_res	Current residual harmonic 15	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA01_phsA	Current phase A harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.2	PQS2MHAI1_HA01_phsB	Current phase B harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.2	PQS2MHAI1_HA01_phsC	Current phase C harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.2	PQS2MHAI1_HA01_res	Current residual harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.2	PQS2MHAI1_AvHA01_mag	Mean current harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.2	PQS2MHAI1_HA02_phsA	Current phase A harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA02_phsB	Current phase B harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA02_phsC	Current phase C harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA02_res	Current residual harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA03_phsA	Current phase A harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA03_phsB	Current phase B harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA03_phsC	Current phase C harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA03_res	Current residual harmonic 3 - 10 minutes	Analogue Input	%				

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS2MHAI1_HA04_phsA	Current phase A harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA04_phsB	Current phase B harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA04_phsC	Current phase C harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA04_res	Current residual harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA05_phsA	Current phase A harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA05_phsB	Current phase B harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA05_phsC	Current phase C harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA05_res	Current residual harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA06_phsA	Current phase A harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA06_phsB	Current phase B harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA06_phsC	Current phase C harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA06_res	Current residual harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA07_phsA	Current phase A harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA07_phsB	Current phase B harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA07_phsC	Current phase C harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA07_res	Current residual harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA08_phsA	Current phase A harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA08_phsB	Current phase B harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA08_phsC	Current phase C harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA08_res	Current residual harmonic 8 - 10 minutes	Analogue Input	%				
PQ	V1.2	PQS2MHAI1_HA09_phsA	Current phase A harmonic 9 - 10 minutes	Analogue Input	%					
PQ	V1.2	PQS2MHAI1_HA09_phsB	Current phase B harmonic 9 - 10 minutes	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS2MHAI1_HA09_phsC	Current phase C harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA09_res	Current residual harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA10_phsA	Current phase A harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA10_phsB	Current phase B harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA10_phsC	Current phase C harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA10_res	Current residual harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA11_phsA	Current phase A harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA11_phsB	Current phase B harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA11_phsC	Current phase C harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA11_res	Current residual harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA12_phsA	Current phase A harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA12_phsB	Current phase B harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA12_phsC	Current phase C harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA12_res	Current residual harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA13_phsA	Current phase A harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA13_phsB	Current phase B harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA13_phsC	Current phase C harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA13_res	Current residual harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA14_phsA	Current phase A harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA14_phsB	Current phase B harmonic 14 - 10 minutes	Analogue Input	%				
PQ	V1.2	PQS2MHAI1_HA14_phsC	Current phase C harmonic 14 - 10 minutes	Analogue Input	%					
PQ	V1.2	PQS2MHAI1_HA14_res	Current residual harmonic 14 - 10 minutes	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS2MHAI1_HA15_phsA	Current phase A harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA15_phsB	Current phase B harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA15_phsC	Current phase C harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS2MHAI1_HA15_res	Current residual harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA01_phsA	Current phase A harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.2	PQS3MHAI1_HA01_phsB	Current phase B harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.2	PQS3MHAI1_HA01_phsC	Current phase C harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.2	PQS3MHAI1_HA01_res	Current residual harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.2	PQS3MHAI1_AvHA01_mag	Mean current harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.2	PQS3MHAI1_HA02_phsA	Current phase A harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA02_phsB	Current phase B harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA02_phsC	Current phase C harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA02_res	Current residual harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA03_phsA	Current phase A harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA03_phsB	Current phase B harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA03_phsC	Current phase C harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA03_res	Current residual harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA04_phsA	Current phase A harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA04_phsB	Current phase B harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA04_phsC	Current phase C harmonic 4 - 2 hours	Analogue Input	%				
PQ	V1.2	PQS3MHAI1_HA04_res	Current residual harmonic 4 - 2 hours	Analogue Input	%					
PQ	V1.2	PQS3MHAI1_HA05_phsA	Current phase A harmonic 5 - 2 hours	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS3MHAI1_HA05_phsB	Current phase B harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA05_phsC	Current phase C harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA05_res	Current residual harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA06_phsA	Current phase A harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA06_phsB	Current phase B harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA06_phsC	Current phase C harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA06_res	Current residual harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA07_phsA	Current phase A harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA07_phsB	Current phase B harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA07_phsC	Current phase C harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA07_res	Current residual harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA08_phsA	Current phase A harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA08_phsB	Current phase B harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA08_phsC	Current phase C harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA08_res	Current residual harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA09_phsA	Current phase A harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA09_phsB	Current phase B harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA09_phsC	Current phase C harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA09_res	Current residual harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA10_phsA	Current phase A harmonic 10 - 2 hours	Analogue Input	%				
PQ	V1.2	PQS3MHAI1_HA10_phsB	Current phase B harmonic 10 - 2 hours	Analogue Input	%					
PQ	V1.2	PQS3MHAI1_HA10_phsC	Current phase C harmonic 10 - 2 hours	Analogue Input	%					

SC150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.2	PQS3MHAI1_HA10_res	Current residual harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA11_phsA	Current phase A harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA11_phsB	Current phase B harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA11_phsC	Current phase C harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA11_res	Current residual harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA12_phsA	Current phase A harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA12_phsB	Current phase B harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA12_phsC	Current phase C harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA12_res	Current residual harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA13_phsA	Current phase A harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA13_phsB	Current phase B harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA13_phsC	Current phase C harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA13_res	Current residual harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA14_phsA	Current phase A harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA14_phsB	Current phase B harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA14_phsC	Current phase C harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA14_res	Current residual harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA15_phsA	Current phase A harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA15_phsB	Current phase B harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.2	PQS3MHAI1_HA15_phsC	Current phase C harmonic 15 - 2 hours	Analogue Input	%				
PQ	V1.2	PQS3MHAI1_HA15_res	Current residual harmonic 15 - 2 hours	Analogue Input	%					

2.3 LV150

LV150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V1.0	PMr_MMxu1_QDetCodA_mag	Quality detail code for current	Analogue Input	0 = Good, 1 = Invalid, 3= Questionable
	Base	V1.0	PMr_MMxu1_QDetCodV_mag	Quality detail code for voltage	Analogue Input	11 = Questionable due to out-of-range, 65 = Invalid due to ADC Failure, 515 = Questionable and Inaccurate on start-up"
	Base	V1.0	LCCH1_ChLiv_stVal	Module communication active status	Digital Input	
	Base	V1.0	LLN0_Health_stVal_Fail	Module health error	Digital Input	0 = No communications, 1 = communications ok
	Base	V1.0	LLN0_CfgHealth_stVal_Warn	Configuration health	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	LPHD1_PhyHealth_stVal_Fail	Module physical health error	Digital Input	0 = Ok, 1 = Warning
	Base	V1.0	LTMS1_TmSynErr_stVal	Time not synchronised	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	LTMS1_TmChErr_stVal	Time synchronisation source failure	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	LTMS2_TmChErr_stVal	1Hz time signal unstable	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	LTMS2_TmSynErr_stVal	1Hz time signal not synchronised (IEEE1588)	Digital Input	0 = Ok, 1 = Error
	Base	V1.0	LTMS2_OfsTmns_stVal	Offset from master clock	Analogue Input	0 = Ok, 1 = Error
	Base	V1.0	LCCH2_InOv_stVal	Internal communications sampled values lost	Digital Input	
	Base	V1.0	LCCH1_MvOutOv_stVal	Module communications analog measurement events lost	DB Digital Input	0 = Ok, 1 = Warning
	Base	V1.0	LCCH1_SpOutOv_stVal	Module communications status events lost	DB Digital Input	0 = Ok, 1 = Warning
	Base	V1.0	LCCH1_CntOutOv_stVal	Module communications counter events lost	DB Digital Input	0 = Ok, 1 = Warning
	Base	V1.0	InstSTMP1_Health_stVal_Fail	Temperature 1: sensor error	Digital Input	0 = Ok, 1 = Warning
	Base	V1.0	InstSTMP2_Health_stVal_Fail	Temperature 2: sensor error	Digital Input	0= Sensor is connected and working properly
	Base	V1.0	InstSTMP3_Health_stVal_Fail	Temperature 3: sensor error	Digital Input	1= Sensor is disconnected or is faulty"
	Base	V1.0	SvSVPI1_Abs_general	Voltage absence from measured values	Digital Input	0= Sensor is connected and working properly
	Base	V1.0	SvSVPI1_Prs_general	Voltage presence from measured values	Digital Input	1= Sensor is disconnected or is faulty"
	Base	V1.0	LvSVPI1_Prs_general	Voltage presence for HMI	Digital Input	0= Sensor is connected and working properly
	Base	V1.0	LLN0_ActSG_stVal	Active settings group	Analogue Input	1= Sensor is disconnected or is faulty"
	BC	V1.0	BCPTOV1_Op_general	Broken conductor detection - instance 1	Digital Input	0 = normal, 1 = fault detected
	BC	V1.0	BCPTOV2_Op_general	Broken conductor detection - instance 2	Digital Input	0 = normal, 1 = fault detected
PQ	V1.0	PQS_QIUB1_VaStr_stVal	Current unbalance variation indication	Digital Input	0 = voltage absent, 1 = voltage present. Copy of "Voltage presence from measured values"	
PQ	V1.0	PQS_QVUB1_VaStr_stVal	Voltage unbalance variation indication	Digital Input	1 or 2	

LV150						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	PQ	V1.0	PQS_QIUB1_VaEvtCnt_stVal	Current unbalance variation event counter	Counter	0 = normal, 1 = fault detected
	PQ	V1.0	PQS_QVUB1_VaEvtCnt_stVal	Voltage unbalance variation event counter	Counter	0 = normal, 1 = fault detected
	PQ	V1.0	PQS_QVVR1_DipStr_stVal	Voltage dip indication	Digital Input	0 = normal, 1 = current unbalance is greater than threshold
	PQ	V1.0	PQS_QVVR1_SwStr_stVal	Voltage swell indication	Digital Input	0 = normal, 1 = voltage unbalance is greater than threshold
	PQ	V1.0	PQS_QVVR1_IntrStr_stVal	Voltage interruption indication	Digital Input	
	PQ	V1.0	PQS_QVVR1_DipEvtCnt1_stVal	Short duration voltage dip event count, duration less than EvtTmms1	Counter	
	PQ	V1.0	PQS_QVVR1_DipEvtCnt2_stVal	Medium duration voltage dip event count	Counter	0 = normal, 1 = dip in progress
	PQ	V1.0	PQS_QVVR1_DipEvtCnt3_stVal	Long duration voltage dip event count, duration greater than EvtTmms2	Counter	0 = normal, 1 = swell in progress
	PQ	V1.0	PQS_QVVR1_SwEvtCnt1_stVal	Short duration voltage swell event count, duration less than EvtTmms1	Counter	0 = normal, 1 = interruption in progress
	PQ	V1.0	PQS_QVVR1_SwEvtCnt2_stVal	Medium duration voltage swell event count	Counter	
	PQ	V1.0	PQS_QVVR1_SwEvtCnt3_stVal	Long duration voltage swell event count, duration greater than EvtTmms2	Counter	
	PQ	V1.0	PQS_QVVR1_IntrEvtCnt1_stVal	Short interruption counter	Counter	
	PQ	V1.0	PQS_QVVR1_IntrEvtCnt2_stVal	Long interruption counter	Counter	
	Base	V1.1	AbsPTUV1_Op_general	Voltage absence indication instance 1	Digital Input	0 = Ok, 1 = at least one voltage below threshold
	Base	V1.1	PrsPTOV1_Op_general	Voltage presence indication instance 1	Digital Input	0 = Ok, 1 = at least one voltage above threshold
	Base	V1.1	AbsPTUV2_Op_general	Voltage absence indication instance 2	Digital Input	0 = Ok, 1 = at least one voltage below threshold
	Base	V1.1	PrsPTOV2_Op_general	Voltage presence indication instance 2	Digital Input	0 = Ok, 1 = at least one voltage above threshold
	Base	V1.1	NeutPTOV1_Op_general	Voltage neutral displacement indication 1	Digital Input	0 = Ok, 1 = neutral voltage above threshold
	Base	V1.1	NeutPTOV2_Op_general	Voltage neutral displacement indication 2	Digital Input	0 = Ok, 1 = neutral voltage above threshold
	Base	V1.1	NeutPTOV3_Op_general	Voltage neutral displacement indication 3	Digital Input	0 = Ok, 1 = neutral voltage above threshold

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Status	Base	V1.0	PMA_MMXU1_ClcIntvPer_setVal	Calculation Interval Period	Analogue Input for Integer Setting	min	1	60		10

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Command	Base	V1.0	LLN0_ActSG1_stVal	Module select settings group 1	Digital Output	0 = ignored, 1 = select settings group 1
	Base	V1.0	LLN0_ActSG2_stVal	Module select settings group 2	Digital Output	0 = ignored, 1 = select settings group 2

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.0	PMr_MM XU1_A_phsA	RMS current phase A	Analogue Input	A				
	Base	V1.0	PMr_MM XU1_A_phsB	RMS current phase B	Analogue Input	A				
	Base	V1.0	PMr_MM XU1_A_phsC	RMS current phase C	Analogue Input	A				
	Base	V1.0	PMr_MM XU1_A_res	RMS current neutral (measured or calculated)	Analogue Input	A				
	Base	V1.0	PMr_MM XN1_Amp_mag	RMS current neutral (measured)	Analogue Input	A				
	Base	V1.0	PMr_MM XN2_Amp_mag	RMS current neutral (calculated)	Analogue Input	A				
	Base	V1.0	PMr_MM XU1_AvAPhs_mag	Mean RMS phase current	Analogue Input	A				
	Base	V1.0	PMr_MM XU1_PhV_phsA	RMS voltage phase A	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PhV_phsB	RMS voltage phase B	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PhV_phsC	RMS voltage phase C	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PhV_neut	RMS voltage neutral (calculated)	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_AvPhVPhs_mag	Mean RMS voltage phase-N	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_Hz_mag	Frequency	Analogue Input	Hz				
	Base	V1.0	PMi_MM XU1_PhV_phsA	Voltage indication phase A %	Analogue Input	%				
	Base	V1.0	PMi_MM XU1_PhV_phsB	Voltage indication phase B %	Analogue Input	%				
	Base	V1.0	PMi_MM XU1_PhV_phsC	Voltage indication phase C %	Analogue Input	%				
	Base	V1.0	PMi_MM XU1_AvPhVPhs_mag	Mean voltage indication %	Analogue Input	%				
	Base	V1.0	PMr_MM XU1_W_phsA	P Real power, phase A	Analogue Input	W				
	Base	V1.0	PMr_MM XU1_W_phsB	P Real power, phase B	Analogue Input	W				
	Base	V1.0	PMr_MM XU1_W_phsC	P Real power, phase C	Analogue Input	W				
	Base	V1.0	PMr_MM XU1_TotW_mag	P Real power, total	Analogue Input	W				
	Base	V1.0	PMr_MM XU1_VAR_phsA	Q Reactive power, phase A	Analogue Input	VAr				
	Base	V1.0	PMr_MM XU1_VAR_phsB	Q Reactive power, phase B	Analogue Input	VAr				
	Base	V1.0	PMr_MM XU1_VAR_phsC	Q Reactive power, phase C	Analogue Input	VAr				
	Base	V1.0	PMr_MM XU1_TotVAr_mag	Q Reactive power, total	Analogue Input	VAr				
	Base	V1.0	PMr_MM XU1_VA_phsA	S Apparent power, phase A	Analogue Input	VA				
	Base	V1.0	PMr_MM XU1_VA_phsB	S Apparent power, phase B	Analogue Input	VA				
	Base	V1.0	PMr_MM XU1_VA_phsC	S Apparent power, phase C	Analogue Input	VA				
	Base	V1.0	PMr_MM XU1_TotVA_mag	S Apparent power, total	Analogue Input	VA				

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.0	PMr_MM XU1_P F_ph sA	Power factor, phase A	Analogue Input					
	Base	V1.0	PMr_MM XU1_P F_ph sB	Power factor, phase B	Analogue Input					
	Base	V1.0	PMr_MM XU1_P F_ph sC	Power factor, phase C	Analogue Input					
	Base	V1.0	PMr_MM XU1_TotPF_mag	True power factor, total	Analogue Input					
	Base	V1.0	PMr_MM XU1_PP V_ph sAB	RMS voltage phase A to phase B	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PP V_ph sBC	RMS voltage phase B to phase C	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_PP V_ph sCA	RMS voltage phase C to phase A	Analogue Input	V				
	Base	V1.0	PMr_MM XU1_AvPPVPhs_mag	Mean RMS voltage between phases	Analogue Input	V				
	Base	V1.0	T00MMTR1_TotWh_actVal	Total net active energy	Analogue Input	Wh				
	Base	V1.0	T00MMTR1_TotVArh_actVal	Total net reactive energy	Analogue Input	VArh				
	Base	V1.0	T00MMTR1_TotVAh_actVal	Total net apparent energy	Analogue Input	VAh				
	Base	V1.0	T00MMTR1_SupWh_actVal	Net real energy supplied	Analogue Input	Wh				
	Base	V1.0	T00MMTR1_SupVArh_actVal	Net reactive energy supplied	Analogue Input	VArh				
	Base	V1.0	T00MMTR1_DmdWh_actVal	Net real energy demand	Analogue Input	Wh				
	Base	V1.0	T00MMTR1_DmdVArh_actVal	Net reactive energy demand	Analogue Input	VArh				
	Base	V1.0	T00MMTR1_SupVArhPs_actVal	Positive reactive energy supplied	Analogue Input	VArh				
	Base	V1.0	T00MMTR1_SupVArhNg_actVal	Negative reactive energy supplied	Analogue Input	VArh				
	Base	V1.0	T00MMTR1_DmdVArhPs_actVal	Positive reactive energy demand	Analogue Input	VArh				
	Base	V1.0	T00MMTR1_DmdVArhNg_actVal	Negative reactive energy demand	Analogue Input	VArh				
	Base	V1.0	PhAMMTN1_TotWh_actVal	Net real energy, phase A	Analogue Input	Wh				
	Base	V1.0	PhAMMTN1_TotVArh_actVal	Net reactive energy, phase A	Analogue Input	VArh				
	Base	V1.0	PhAMMTN1_TotVAh_actVal	Net apparent energy, phase A	Analogue Input	VAh				
	Base	V1.0	PhBMMTN1_TotWh_actVal	Net real energy, phase B	Analogue Input	Wh				
	Base	V1.0	PhBMMTN1_TotVArh_actVal	Net reactive energy, phase B	Analogue Input	VArh				
	Base	V1.0	PhBMMTN1_TotVAh_actVal	Net apparent energy, phase B	Analogue Input	VAh				
	Base	V1.0	PhCMMTN1_TotWh_actVal	Net real energy, phase C	Analogue Input	Wh				
	Base	V1.0	PhCMMTN1_TotVArh_actVal	Net reactive energy, phase C	Analogue Input	VArh				
	Base	V1.0	PhCMMTN1_TotVAh_actVal	Net apparent energy, phase C	Analogue Input	VAh				

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.0	PMa_MM XU1_A_phsA	Average current phase A	Analogue Input	A				
	Base	V1.0	PMa_MM XU1_A_phsB	Average current phase B	Analogue Input	A				
	Base	V1.0	PMa_MM XU1_A_phsC	Average current phase C	Analogue Input	A				
	Base	V1.0	PMa_MM XU1_A_res	Average current neutral (calculated)	Analogue Input	A				
	Base	V1.0	PMa_MM XU1_loA_mag	Average current neutral (measured)	Analogue Input	A				
	Base	V1.0	PMa_MM XU1_AvAPhs_mag	Average of Mean current phases A,B,C	Analogue Input	A				
	Base	V1.0	PMa_MM XU1_PhV_phsA	Average voltage phase A	Analogue Input	V				
	Base	V1.0	PMa_MM XU1_PhV_phsB	Average voltage phase B	Analogue Input	V				
	Base	V1.0	PMa_MM XU1_PhV_phsC	Average voltage phase C	Analogue Input	V				
	Base	V1.0	PMa_MM XU1_PhV_neut	Average voltage neutral (calculated)	Analogue Input	V				
	Base	V1.0	PMa_MM XU1_AvPhVPhs_mag	Average of Mean voltage phases A,B,C	Analogue Input	V				
	Base	V1.0	PMa_MM XU1_W_phsA	Average P Real power, phase A	Analogue Input	W				
	Base	V1.0	PMa_MM XU1_W_phsB	Average P Real power, phase B	Analogue Input	W				
	Base	V1.0	PMa_MM XU1_W_phsC	Average P Real power, phase C	Analogue Input	W				
	Base	V1.0	PMa_MM XU1_TotW_mag	Average P Real power, total	Analogue Input	W				
	Base	V1.0	PMa_MM XU1_VAR_phsA	Average Q Reactive power, phase A	Analogue Input	VA				
	Base	V1.0	PMa_MM XU1_VAR_phsB	Average Q Reactive power, phase B	Analogue Input	VA				
	Base	V1.0	PMa_MM XU1_VAR_phsC	Average Q Reactive power, phase C	Analogue Input	VA				
	Base	V1.0	PMa_MM XU1_TotVAr_mag	Average Q Reactive power, total	Analogue Input	VA				
	Base	V1.0	PMa_MM XU1_VA_phsA	Average S Apparent power, phase A	Analogue Input	VA				
Base	V1.0	PMa_MM XU1_VA_phsB	Average S Apparent power, phase B	Analogue Input	VA					
Base	V1.0	PMa_MM XU1_VA_phsC	Average S Apparent power, phase C	Analogue Input	VA					
Base	V1.0	PMa_MM XU1_TotVA_mag	Average S Apparent power, total	Analogue Input	VA					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.0	PMndMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous day	Analogue Input	A				
	Base	V1.0	PMnwMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous week	Analogue Input	A				
	Base	V1.0	PMnmMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous month	Analogue Input	A				
	Base	V1.0	PMnyMMXU1_AvAPhs_mag	Minimum of average of Mean RMS phase current, previous year	Analogue Input	A				
	Base	V1.0	PMxdMMXU1_AvAPhs_mag	Maximum of average of Mean RMS phase current, previous day	Analogue Input	A				
	Base	V1.0	PMxwMMXU1_AvAPhs_mag	Maximum of average of Mean RMS phase current, previous week	Analogue Input	A				
	Base	V1.0	PMxmMMXU1_AvAPhs_mag	Maximum of average of Mean RMS phase current, previous month	Analogue Input	A				
	Base	V1.0	PMxyMMXU1_AvAPhs_mag	Maximum of average of Mean RMS phase current, previous year	Analogue Input	A				
	Base	V1.0	PMnmMMXU2_AvAPhs_mag	Minimum of average of Mean RMS phase current, this month	Analogue Input	A				
	Base	V1.0	PMnyMMXU2_AvAPhs_mag	Minimum of average of Mean RMS phase current, this year	Analogue Input	A				
	Base	V1.0	PMxmMMXU2_AvAPhs_mag	Maximum of average of Mean RMS phase current, this month	Analogue Input	A				
	Base	V1.0	PMxyMMXU2_AvAPhs_mag	Maximum of average of Mean RMS phase current, this year	Analogue Input	A				
	Base	V1.0	InstSTMP1_Tmp_mag	Temperature 1: instantaneous value	Analogue Input	°C				
	Base	V1.0	AvhSTMP1_Tmp_mag	Temperature 1: hourly average	Analogue Input	°C				
	Base	V1.0	InstSTMP2_Tmp_mag	Temperature 2: instantaneous value	Analogue Input	°C				
	Base	V1.0	AvhSTMP2_Tmp_mag	Temperature 2: hourly average	Analogue Input	°C				
	Base	V1.0	InstSTMP3_Tmp_mag	Temperature 3: instantaneous value	Analogue Input	°C				
	Base	V1.0	AvhSTMP3_Tmp_mag	Temperature 3: hourly average	Analogue Input	°C				
Base	V1.0	PreFitMMXU1_PhV_phsA	Last RMS voltage phase A before fault	Analogue Input	V					

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.0	PreFitMMXU1_PhV_phsB	Last RMS voltage phase B before fault	Analogue Input	V				
	Base	V1.0	PreFitMMXU1_PhV_phsC	Last RMS voltage phase C before fault	Analogue Input	V				
	Base	V1.0	PreFitMMXU1_PhV_neut	Last RMS voltage neutral before fault	Analogue Input	V				
	Base	V1.0	PreFitMMXU1_AvPhVPhs_mag	Last mean RMS phase voltage before fault	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_PhV_phsA	RMS voltage phase A, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_PhV_phsB	RMS voltage phase B, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_PhV_phsC	RMS voltage phase C, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_PhV_neut	RMS voltage neutral (calculated), 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS2MMXU1_AvPhVPhs_mag	Mean RMS voltage phase-N, 10 minute period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_phsA	RMS voltage phase A, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_phsB	RMS voltage phase B, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_phsC	RMS voltage phase C, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_PhV_neut	RMS voltage neutral (calculated), 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS3MMXU1_AvPhVPhs_mag	Mean RMS voltage phase-N, 2 hour period	Analogue Input	V				
	PQ	V1.0	PQS1MSQI1_lmbNgA_mag	Current negative sequence imbalance (I2 / I1), 150/180 cycle period	Analogue Input	%				
	PQ	V1.0	PQS2MSQI1_lmbNgA_mag	Current negative sequence imbalance (I2 / I1), 10 minute period	Analogue Input	%				
	PQ	V1.0	PQS3MSQI1_lmbNgA_mag	Current negative sequence imbalance (I2 / I1), 2 hour period	Analogue Input	%				
	PQ	V1.0	PQS1MSQI1_lmbNgV_mag	Voltage negative sequence imbalance (V2 / V1), 150/180 cycle period	Analogue Input	%				
PQ	V1.0	PQS2MSQI1_lmbNgV_mag	Voltage negative sequence imbalance (V2 / V1), 10 minute period	Analogue Input	%					

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.0	PQS3MSQI1_ImbNgV_mag	Voltage negative sequence imbalance (V2 / V1), 2 hour period	Analogue Input	%				
	PQ	V1.0	PQS_QVVR1_VVa_mag	Last voltage variation value	Analogue Input	V				
	PQ	V1.0	PQS_QVVR1_VVaTm_mag	Last voltage variation duration	Analogue Input	s				
	PQ	V1.0	PQS_QVVR1_AffPhs_stVal	Last voltage variation affected phases	Analogue Input		1 = phase A, 2 = phase B, 4 = phase C 3 = phase A and B, 5 = phase A and C 6 = phase B and C, 7 = phases A, B, C"			
	PQ	V1.0	PQS_MHAI1_ThdPhV_phsA	Voltage phase A total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_ThdPhV_phsB	Voltage phase B total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_ThdPhV_phsC	Voltage phase C total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_AvThdPhV_mag	Mean voltage total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_ThdA_phsA	Current phase A total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_ThdA_phsB	Current phase B total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_ThdA_phsC	Current phase C total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_AvThdA_mag	Mean current total harmonic distortion	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV01_phsA_mag	Voltage phase A harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.0	PQS_MHAI1_HPhV01_phsB_mag	Voltage phase B harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.0	PQS_MHAI1_HPhV01_phsC_mag	Voltage phase C harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.0	PQS_MHAI1_HPhV01_neut_mag	Voltage neutral harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.0	PQS_MHAI1_AvHPhV01_mag	Mean voltage harmonic 1 - magnitude	Analogue Input	V				
	PQ	V1.0	PQS_MHAI1_HPhV01_phsA_ang	Voltage phase A harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.0	PQS_MHAI1_HPhV01_phsB_ang	Voltage phase B harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.0	PQS_MHAI1_HPhV01_phsC_ang	Voltage phase C harmonic 1 - angle	Analogue Input	deg				
PQ	V1.0	PQS_MHAI1_HPhV01_neut_ang	Voltage neutral harmonic 1 - angle	Analogue Input	deg					
PQ	V1.0	PQS_MHAI1_HPhV02_phsA	Voltage phase A harmonic 2	Analogue Input	%					

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CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.0	PQS_MHAI1_HPhV02_phsB	Voltage phase B harmonic 2	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV02_phsC	Voltage phase C harmonic 2	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV03_phsA	Voltage phase A harmonic 3	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV03_phsB	Voltage phase B harmonic 3	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV03_phsC	Voltage phase C harmonic 3	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV04_phsA	Voltage phase A harmonic 4	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV04_phsB	Voltage phase B harmonic 4	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV04_phsC	Voltage phase C harmonic 4	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV05_phsA	Voltage phase A harmonic 5	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV05_phsB	Voltage phase B harmonic 5	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV05_phsC	Voltage phase C harmonic 5	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV06_phsA	Voltage phase A harmonic 6	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV06_phsB	Voltage phase B harmonic 6	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV06_phsC	Voltage phase C harmonic 6	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV07_phsA	Voltage phase A harmonic 7	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV07_phsB	Voltage phase B harmonic 7	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV07_phsC	Voltage phase C harmonic 7	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV08_phsA	Voltage phase A harmonic 8	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV08_phsB	Voltage phase B harmonic 8	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV08_phsC	Voltage phase C harmonic 8	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV09_phsA	Voltage phase A harmonic 9	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV09_phsB	Voltage phase B harmonic 9	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV09_phsC	Voltage phase C harmonic 9	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV10_phsA	Voltage phase A harmonic 10	Analogue Input	%				
PQ	V1.0	PQS_MHAI1_HPhV10_phsB	Voltage phase B harmonic 10	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HPhV10_phsC	Voltage phase C harmonic 10	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HPhV11_phsA	Voltage phase A harmonic 11	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HPhV11_phsB	Voltage phase B harmonic 11	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HPhV11_phsC	Voltage phase C harmonic 11	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HPhV12_phsA	Voltage phase A harmonic 12	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HPhV12_phsB	Voltage phase B harmonic 12	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.0	PQS_MHAI1_HPhV12_phsC	Voltage phase C harmonic 12	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV13_phsA	Voltage phase A harmonic 13	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV13_phsB	Voltage phase B harmonic 13	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV13_phsC	Voltage phase C harmonic 13	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV14_phsA	Voltage phase A harmonic 14	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV14_phsB	Voltage phase B harmonic 14	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV14_phsC	Voltage phase C harmonic 14	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV15_phsA	Voltage phase A harmonic 15	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV15_phsB	Voltage phase B harmonic 15	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HPhV15_phsC	Voltage phase C harmonic 15	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA01_phsA_mag	Current phase A harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.0	PQS_MHAI1_HA01_phsB_mag	Current phase B harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.0	PQS_MHAI1_HA01_phsC_mag	Current phase C harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.0	PQS_MHAI1_HA01_neut_mag	Current neutral harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.0	PQS_MHAI1_AvHA01_mag	Mean current harmonic 1 - magnitude	Analogue Input	A				
	PQ	V1.0	PQS_MHAI1_HA01_phsA_ang	Current phase A harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.0	PQS_MHAI1_HA01_phsB_ang	Current phase B harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.0	PQS_MHAI1_HA01_phsC_ang	Current phase C harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.0	PQS_MHAI1_HA01_neut_ang	Current neutral harmonic 1 - angle	Analogue Input	deg				
	PQ	V1.0	PQS_MHAI1_HA02_phsA_mag	Current phase A harmonic 2	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA02_phsB_mag	Current phase B harmonic 2	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA02_phsC_mag	Current phase C harmonic 2	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA03_phsA	Current phase A harmonic 3	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA03_phsB	Current phase B harmonic 3	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA03_phsC	Current phase C harmonic 3	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA04_phsA	Current phase A harmonic 4	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA04_phsB	Current phase B harmonic 4	Analogue Input	%				

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.0	PQS_MHAI1_HA04_phsC	Current phase C harmonic 4	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA05_phsA	Current phase A harmonic 5	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA05_phsB	Current phase B harmonic 5	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA05_phsC	Current phase C harmonic 5	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA06_phsA	Current phase A harmonic 6	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA06_phsB	Current phase B harmonic 6	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA06_phsC	Current phase C harmonic 6	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA07_phsA	Current phase A harmonic 7	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA07_phsB	Current phase B harmonic 7	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA07_phsC	Current phase C harmonic 7	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA08_phsA	Current phase A harmonic 8	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA08_phsB	Current phase B harmonic 8	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA08_phsC	Current phase C harmonic 8	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA09_phsA	Current phase A harmonic 9	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA09_phsB	Current phase B harmonic 9	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA09_phsC	Current phase C harmonic 9	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA10_phsA	Current phase A harmonic 10	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA10_phsB	Current phase B harmonic 10	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA10_phsC	Current phase C harmonic 10	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA11_phsA	Current phase A harmonic 11	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA11_phsB	Current phase B harmonic 11	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA11_phsC	Current phase C harmonic 11	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA12_phsA	Current phase A harmonic 12	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA12_phsB	Current phase B harmonic 12	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA12_phsC	Current phase C harmonic 12	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA13_phsA	Current phase A harmonic 13	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA13_phsB	Current phase B harmonic 13	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA13_phsC	Current phase C harmonic 13	Analogue Input	%				
PQ	V1.0	PQS_MHAI1_HA14_phsA	Current phase A harmonic 14	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HA14_phsB	Current phase B harmonic 14	Analogue Input	%					
PQ	V1.0	PQS_MHAI1_HA14_phsC	Current phase C harmonic 14	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.0	PQS_MHAI1_HA15_phsA	Current phase A harmonic 15	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA15_phsB	Current phase B harmonic 15	Analogue Input	%				
	PQ	V1.0	PQS_MHAI1_HA15_phsC	Current phase C harmonic 15	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdPhV_phsA	Voltage phase A total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdPhV_phsB	Voltage phase B total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdPhV_phsC	Voltage phase C total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_AvThdPhV_mag	Mean voltage total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_ThdPhV_phsA	Voltage phase A total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_ThdPhV_phsB	Voltage phase B total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_ThdPhV_phsC	Voltage phase C total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_AvThdPhV_mag	Mean voltage total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_ThdA_neut	Current neutral total harmonic distortion	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdA_phsA	Current phase A total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdA_phsB	Current phase B total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdA_phsC	Current phase C total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_ThdA_neut	Current neutral total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_AvThdA_mag	Mean current total harmonic distortion - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_ThdA_phsA	Current phase A total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_ThdA_phsB	Current phase B total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_ThdA_phsC	Current phase C total harmonic distortion - 2 hours	Analogue Input	%				
PQ	V1.1	PQS3MHAI1_ThdA_neut	Current neutral total harmonic distortion - 2 hours	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS3MHAI1_AvThdA_mag	Mean current total harmonic distortion - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV01_phsA	Voltage phase A harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.1	PQS2MHAI1_HPhV01_phsB	Voltage phase B harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.1	PQS2MHAI1_HPhV01_phsC	Voltage phase C harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.1	PQS2MHAI1_AvHPhV01_mag	Mean voltage harmonic 1 - 10 minutes	Analogue Input	V				
	PQ	V1.1	PQS2MHAI1_HPhV02_phsA	Voltage phase A harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV02_phsB	Voltage phase B harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV02_phsC	Voltage phase C harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV03_phsA	Voltage phase A harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV03_phsB	Voltage phase B harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV03_phsC	Voltage phase C harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV04_phsA	Voltage phase A harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV04_phsB	Voltage phase B harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV04_phsC	Voltage phase C harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV05_phsA	Voltage phase A harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV05_phsB	Voltage phase B harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV05_phsC	Voltage phase C harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV06_phsA	Voltage phase A harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV06_phsB	Voltage phase B harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV06_phsC	Voltage phase C harmonic 6 - 10 minutes	Analogue Input	%				
PQ	V1.1	PQS2MHAI1_HPhV07_phsA	Voltage phase A harmonic 7 - 10 minutes	Analogue Input	%					
PQ	V1.1	PQS2MHAI1_HPhV07_phsB	Voltage phase B harmonic 7 - 10 minutes	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS2MHAI1_HPhV07_phsC	Voltage phase C harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV08_phsA	Voltage phase A harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV08_phsB	Voltage phase B harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV08_phsC	Voltage phase C harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV09_phsA	Voltage phase A harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV09_phsB	Voltage phase B harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV09_phsC	Voltage phase C harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV10_phsA	Voltage phase A harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV10_phsB	Voltage phase B harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV10_phsC	Voltage phase C harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV11_phsA	Voltage phase A harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV11_phsB	Voltage phase B harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV11_phsC	Voltage phase C harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV12_phsA	Voltage phase A harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV12_phsB	Voltage phase B harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV12_phsC	Voltage phase C harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV13_phsA	Voltage phase A harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV13_phsB	Voltage phase B harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV13_phsC	Voltage phase C harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV14_phsA	Voltage phase A harmonic 14 - 10 minutes	Analogue Input	%				
PQ	V1.1	PQS2MHAI1_HPhV14_phsB	Voltage phase B harmonic 14 - 10 minutes	Analogue Input	%					
PQ	V1.1	PQS2MHAI1_HPhV14_phsC	Voltage phase C harmonic 14 - 10 minutes	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS2MHAI1_HPhV15_phsA	Voltage phase A harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV15_phsB	Voltage phase B harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HPhV15_phsC	Voltage phase C harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV01_phsA	Voltage phase A harmonic 1 - 2 hours	Analogue Input	V				
	PQ	V1.1	PQS3MHAI1_HPhV01_phsB	Voltage phase B harmonic 1 - 2 hours	Analogue Input	V				
	PQ	V1.1	PQS3MHAI1_HPhV01_phsC	Voltage phase C harmonic 1 - 2 hours	Analogue Input	V				
	PQ	V1.1	PQS3MHAI1_AvHPHV01_mag	Mean voltage harmonic 1 - 2 hours	Analogue Input	V				
	PQ	V1.1	PQS3MHAI1_HPhV02_phsA	Voltage phase A harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV02_phsB	Voltage phase B harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV02_phsC	Voltage phase C harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV03_phsA	Voltage phase A harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV03_phsB	Voltage phase B harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV03_phsC	Voltage phase C harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV04_phsA	Voltage phase A harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV04_phsB	Voltage phase B harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV04_phsC	Voltage phase C harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV05_phsA	Voltage phase A harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV05_phsB	Voltage phase B harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV05_phsC	Voltage phase C harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV06_phsA	Voltage phase A harmonic 6 - 2 hours	Analogue Input	%				
PQ	V1.1	PQS3MHAI1_HPhV06_phsB	Voltage phase B harmonic 6 - 2 hours	Analogue Input	%					
PQ	V1.1	PQS3MHAI1_HPhV06_phsC	Voltage phase C harmonic 6 - 2 hours	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS3MHAI1_HPhV07_phsA	Voltage phase A harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV07_phsB	Voltage phase B harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV07_phsC	Voltage phase C harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV08_phsA	Voltage phase A harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV08_phsB	Voltage phase B harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV08_phsC	Voltage phase C harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV09_phsA	Voltage phase A harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV09_phsB	Voltage phase B harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV09_phsC	Voltage phase C harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV10_phsA	Voltage phase A harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV10_phsB	Voltage phase B harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV10_phsC	Voltage phase C harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV11_phsA	Voltage phase A harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV11_phsB	Voltage phase B harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV11_phsC	Voltage phase C harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV12_phsA	Voltage phase A harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV12_phsB	Voltage phase B harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV12_phsC	Voltage phase C harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV13_phsA	Voltage phase A harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV13_phsB	Voltage phase B harmonic 13 - 2 hours	Analogue Input	%				
PQ	V1.1	PQS3MHAI1_HPhV13_phsC	Voltage phase C harmonic 13 - 2 hours	Analogue Input	%					
PQ	V1.1	PQS3MHAI1_HPhV14_phsA	Voltage phase A harmonic 14 - 2 hours	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS3MHAI1_HPhV14_phsB	Voltage phase B harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV14_phsC	Voltage phase C harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV15_phsA	Voltage phase A harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV15_phsB	Voltage phase B harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HPhV15_phsC	Voltage phase C harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA02_neut_mag	Current neutral harmonic 2	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA03_neut	Current neutral harmonic 3	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA04_neut	Current neutral harmonic 4	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA05_neut	Current neutral harmonic 5	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA06_neut	Current neutral harmonic 6	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA07_neut	Current neutral harmonic 7	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA08_neut	Current neutral harmonic 8	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA09_neut	Current neutral harmonic 9	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA10_neut	Current neutral harmonic 10	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA11_neut	Current neutral harmonic 11	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA12_neut	Current neutral harmonic 12	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA13_neut	Current neutral harmonic 13	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA14_neut	Current neutral harmonic 14	Analogue Input	%				
	PQ	V1.1	PQS_MHAI1_HA15_neut	Current neutral harmonic 15	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA01_phsA	Current phase A harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.1	PQS2MHAI1_HA01_phsB	Current phase B harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.1	PQS2MHAI1_HA01_phsC	Current phase C harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.1	PQS2MHAI1_HA01_neut	Current neutral harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.1	PQS2MHAI1_AvHA01_mag	Mean current harmonic 1 - 10 minutes	Analogue Input	A				
	PQ	V1.1	PQS2MHAI1_HA02_phsA	Current phase A harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA02_phsB	Current phase B harmonic 2 - 10 minutes	Analogue Input	%				

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS2MHAI1_HA02_phsC	Current phase C harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA02_neut	Current neutral harmonic 2 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA03_phsA	Current phase A harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA03_phsB	Current phase B harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA03_phsC	Current phase C harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA03_neut	Current neutral harmonic 3 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA04_phsA	Current phase A harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA04_phsB	Current phase B harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA04_phsC	Current phase C harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA04_neut	Current neutral harmonic 4 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA05_phsA	Current phase A harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA05_phsB	Current phase B harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA05_phsC	Current phase C harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA05_neut	Current neutral harmonic 5 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA06_phsA	Current phase A harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA06_phsB	Current phase B harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA06_phsC	Current phase C harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA06_neut	Current neutral harmonic 6 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA07_phsA	Current phase A harmonic 7 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA07_phsB	Current phase B harmonic 7 - 10 minutes	Analogue Input	%				
PQ	V1.1	PQS2MHAI1_HA07_phsC	Current phase C harmonic 7 - 10 minutes	Analogue Input	%					
PQ	V1.1	PQS2MHAI1_HA07_neut	Current neutral harmonic 7 - 10 minutes	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS2MHAI1_HA08_phsA	Current phase A harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA08_phsB	Current phase B harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA08_phsC	Current phase C harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA08_neut	Current neutral harmonic 8 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA09_phsA	Current phase A harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA09_phsB	Current phase B harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA09_phsC	Current phase C harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA09_neut	Current neutral harmonic 9 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA10_phsA	Current phase A harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA10_phsB	Current phase B harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA10_phsC	Current phase C harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA10_neut	Current neutral harmonic 10 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA11_phsA	Current phase A harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA11_phsB	Current phase B harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA11_phsC	Current phase C harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA11_neut	Current neutral harmonic 11 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA12_phsA	Current phase A harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA12_phsB	Current phase B harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA12_phsC	Current phase C harmonic 12 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA12_neut	Current neutral harmonic 12 - 10 minutes	Analogue Input	%				
PQ	V1.1	PQS2MHAI1_HA13_phsA	Current phase A harmonic 13 - 10 minutes	Analogue Input	%					
PQ	V1.1	PQS2MHAI1_HA13_phsB	Current phase B harmonic 13 - 10 minutes	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS2MHAI1_HA13_phsC	Current phase C harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA13_neut	Current neutral harmonic 13 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA14_phsA	Current phase A harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA14_phsB	Current phase B harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA14_phsC	Current phase C harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA14_neut	Current neutral harmonic 14 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA15_phsA	Current phase A harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA15_phsB	Current phase B harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA15_phsC	Current phase C harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS2MHAI1_HA15_neut	Current neutral harmonic 15 - 10 minutes	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA01_phsA	Current phase A harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.1	PQS3MHAI1_HA01_phsB	Current phase B harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.1	PQS3MHAI1_HA01_phsC	Current phase C harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.1	PQS3MHAI1_HA01_neut	Current neutral harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.1	PQS3MHAI1_AvHA01_mag	Mean current harmonic 1 - 2 hours	Analogue Input	A				
	PQ	V1.1	PQS3MHAI1_HA02_phsA	Current phase A harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA02_phsB	Current phase B harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA02_phsC	Current phase C harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA02_neut	Current neutral harmonic 2 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA03_phsA	Current phase A harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA03_phsB	Current phase B harmonic 3 - 2 hours	Analogue Input	%				
PQ	V1.1	PQS3MHAI1_HA03_phsC	Current phase C harmonic 3 - 2 hours	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS3MHAI1_HA03_neut	Current neutral harmonic 3 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA04_phsA	Current phase A harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA04_phsB	Current phase B harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA04_phsC	Current phase C harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA04_neut	Current neutral harmonic 4 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA05_phsA	Current phase A harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA05_phsB	Current phase B harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA05_phsC	Current phase C harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA05_neut	Current neutral harmonic 5 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA06_phsA	Current phase A harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA06_phsB	Current phase B harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA06_phsC	Current phase C harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA06_neut	Current neutral harmonic 6 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA07_phsA	Current phase A harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA07_phsB	Current phase B harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA07_phsC	Current phase C harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA07_neut	Current neutral harmonic 7 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA08_phsA	Current phase A harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA08_phsB	Current phase B harmonic 8 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA08_phsC	Current phase C harmonic 8 - 2 hours	Analogue Input	%				
PQ	V1.1	PQS3MHAI1_HA08_neut	Current neutral harmonic 8 - 2 hours	Analogue Input	%					
PQ	V1.1	PQS3MHAI1_HA09_phsA	Current phase A harmonic 9 - 2 hours	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS3MHAI1_HA09_phsB	Current phase B harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA09_phsC	Current phase C harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA09_neut	Current neutral harmonic 9 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA10_phsA	Current phase A harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA10_phsB	Current phase B harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA10_phsC	Current phase C harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA10_neut	Current neutral harmonic 10 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA11_phsA	Current phase A harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA11_phsB	Current phase B harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA11_phsC	Current phase C harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA11_neut	Current neutral harmonic 11 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA12_phsA	Current phase A harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA12_phsB	Current phase B harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA12_phsC	Current phase C harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA12_neut	Current neutral harmonic 12 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA13_phsA	Current phase A harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA13_phsB	Current phase B harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA13_phsC	Current phase C harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA13_neut	Current neutral harmonic 13 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA14_phsA	Current phase A harmonic 14 - 2 hours	Analogue Input	%				
PQ	V1.1	PQS3MHAI1_HA14_phsB	Current phase B harmonic 14 - 2 hours	Analogue Input	%					
PQ	V1.1	PQS3MHAI1_HA14_phsC	Current phase C harmonic 14 - 2 hours	Analogue Input	%					

LV150										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	PQ	V1.1	PQS3MHAI1_HA14_neut	Current neutral harmonic 14 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA15_phsA	Current phase A harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA15_phsB	Current phase B harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA15_phsC	Current phase C harmonic 15 - 2 hours	Analogue Input	%				
	PQ	V1.1	PQS3MHAI1_HA15_neut	Current neutral harmonic 15 - 2 hours	Analogue Input	%				

2.4 PS50

PS50						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V1.0	status	LCCH1_ChLiv_stVal	Module communication status	0 = PS50 is nor communicating with HU250 1 = PS50 is communicating with HU250
	Base	V1.0	status	LPHD1_PhyHealth_stVal_Warn	Module health warning	0 = no Minor recoverable fault 1 = Minor recoverable fault
	Base	V1.0	status	LPHD1_PhyHealth_stVal_Fail	Module health error	0 = no Major recoverable fault 1 = Major recoverable fault
	Base	V1.0	status	AcZAXN1_PwrSupAlm_stVal	Immediate AC supply OFF	0 = On; 1 = Off
	Base	V1.0	status	AcZAXN1_DIPwrSupAlm_stVal	Delayed AC supply OFF	0 = On 1 = Off delay of 30 seconds
	Base	V1.0	status	AcZAXN1_PwrSupOn_stVal	Supply input indication	1 = On 0 = Off
	Base	V1.0	status	AcZAXN1_PwrSupOv_stVal	Supply input overvoltage	1 = Overvoltage 0 = No overvoltage
	Base	V1.0	status	AcZAXN1_PwrShtDwn_stVal	Power supply shutdown	0 = No shut down 1 = shut down after x s
	Base	V1.0	status	LLN0_CfgHealth_stVal_Fail	Configuration fault	1 = Configuration fault (CRC error) 0 = Configuration is valid
	Base	V1.0	status	STMP1_Alm_stVal	Overtemperature fault	1 = Overtemperature on secondary or primary is ongoing 0 = normal operation
	Base	V1.0	status	DevZAXN1_PwrSupAlm_stVal	IED output fault	1 = A fault has occurred on IED output (short circuit, overload...) 0 = normal operation
	Base	V1.0	status	ComZAXN1_PwrSupAlm_stVal	Telecom output fault	1 = A fault has occurred on Telecom output (short circuit, overload...) 0 = normal operation
	Base	V1.0	status	MotZAXN1_PwrSupAlm_stVal	Motor output fault	1 = A fault has occurred on Motor output (short circuit, overload...) 0 = normal operation
	Base	V1.0	status	DevZAXN1_PwrSupSc_stVal	IED output short circuit	1 = 12 V IED short circuit 0 = 12 V IED no short circuit
	Base	V1.0	status	DevZAXN1_PwrSupOI_stVal	IED output overload	1 = 12 V IED overload 0 = 12 V IED no overload
	Base	V1.0	status	DevZAXN1_PwrSupUv_stVal	IED output undervoltage	1 = 12 V IED undervoltage 0 = no undervoltage
	Base	V1.0	status	DevZAXN1_PwrSupOv_stVal	IED output overvoltage	1 = 12 V IED overvoltage 0 = no overvoltage
	Base	V1.0	status	ComZAXN1_PwrSupSc_stVal	Telecom output short circuit	1 = 12 V Telecom short circuit 0 = 12 V Telecom no short circuit
	Base	V1.0	status	ComZAXN1_PwrSupOI_stVal	Telecom output overload	1 = 12 V Telecom overload 0 = 12 V Telecom no overload
	Base	V1.0	status	ComZAXN1_PwrSupOc_stVal	Telecom output overcurrent	1 = 12 V Telecom current cross max current threshold 0 = No fault

PS50						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Status	Base	V1.0	ComZAXN1_PwrSupUv_stVal	Telecom output undervoltage	Digital Input	1 = 12 V Telecom undervoltage 0 = no undervoltage
	Base	V1.0	ComZAXN1_PwrSupOv_stVal	Telecom output overvoltage	Digital Input	1 = 12 V Telecom overvoltage 0 = no overvoltage
	Base	V1.0	MotZAXN1_PwrSupSc_stVal	Motor output short circuit	Digital Input	1 = 24/48 V short circuit 0 = 24/48 V no short circuit
	Base	V1.0	MotZAXN1_PwrSupOI_stVal	Motor output overload	Digital Input	1 = 24/48 V Overload 0 = 24/48 V Telecom no overload
	Base	V1.0	MotZAXN1_PwrSupOc_stVal	Motor output overcurrent	Digital Input	1 = 24/48 V Motor current cross max current threshold 0 = No fault
	Base	V1.0	MotZAXN1_PwrSupUv_stVal	Motor output undervoltage	Digital Input	1 = Motor output undervoltage 0 = OK
	Base	V1.0	MotZAXN1_PwrSupOv_stVal	Motor output overvoltage	Digital Input	1 = Motor output overvoltage 0 = no overvoltage
	Base	V1.0	MotZAXN1_PwrSupLok_stVal	Motor output lock out	Digital Input	1 = Motor output lock out 0 = OK
	Base	V1.0	ZBAT1_BatHealth_stVal	Battery fault	Digital Input	0 = Operational 1 = Disconnect or Out of Order
	Base	V1.0	ZBAT1_BatIso_stVal	Battery disconnected	Digital Input	0 = Connected 1 = Disconnected
	Base	V1.0	ZBAT1_Cha_stVal	Battery charging	Digital Input	1 = Battery is under charge process 0 = Battery is not charging
	Base	V1.0	ZBAT1_FltInd_general	Battery charger floating	Digital Input	1 = Battery is in floating mode 0 = Battery is not in float mode
	Base	V1.0	ZBAT1_Dsch_stVal	Battery discharging	Digital Input	1 = Battery is discharging 0 = Battery is not discharging
	Base	V1.0	ZBAT1_BatLo_stVal	Battery low	Digital Input	0 = OK 1 = Battery low
	Base	V1.0	ZBAT1_DDschInd_stVal	Battery deep discharge	Digital Input	1 = Battery deep discharge threshold has been reached 0 = Battery is above deep discharge threshold
	Base	V1.0	ZBAT1_BatTest_stVal	Battery test running	Digital Input	0 = Battery test inactive, 1 = Battery test active
	Base	V1.0	ZBAT1_ChaFlt_stVal	Battery charger fault	Digital Input	0 = Operational 1 = Charger fault is detected

PS50						
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Bit or enumeration Value Liste de valeurs ou bits
Command	Base	V1.0	LLN0_PwrShtDwn_stVal	General shutdown	Digital Output	
	Base	V1.0	ZBAT1_BatTestCtl_stVal	Battery Test execute	Digital Output	
	Base	V1.0	LLN0_Restart_stVal	Restart all Output	Digital Output	
	Base	V1.0	LLN0_Reboot_stVal	Reboot PS50	Digital Output	
	Base	V1.0	LLN0_RsTmpMnMx_stVal	Reset temperature statistics	Digital Output	
	Base	V1.0	LLN0_CfgDef_stVal	Reload default settings	Digital Output	
	Base	V1.0	DevZAXN1_PwrSupOff_stVal	IED output power OFF	Digital Output	
	Base	V1.0	DevZAXN1_PwrSupOn_stVal	IED output power ON	Digital Output	
	Base	V1.0	ComZAXN1_PwrSupOff_stVal	Telecom power output OFF	Digital Output	
	Base	V1.0	ComZAXN1_PwrSupOn_stVal	Telecom power output ON	Digital Output	
	Base	V1.0	MotZAXN1_PwrSupOff_stVal	Motor output power OFF	Digital Output	
	Base	V1.0	MotZAXN1_PwrSupOn_stVal	Motor output power ON	Digital Output	

PS50										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Analog	Base	V1.0	AcZAXN1_Vol_mag	Supply Input RMS voltage	Analogue Input	V	0	440	0,1	
	Base	V1.0	DevZAXN1_Vol_mag	IED output voltage	Analogue Input	V	0	16	0,1	
	Base	V1.0	DevZAXN1_Amp_mag	IED output current	Analogue Input	A	0	10	0,1	
	Base	V1.0	ComZAXN1_Vol_mag	Telecom output voltage	Analogue Input	V	0	16	0,1	
	Base	V1.0	ComZAXN1_Amp_mag	Telecom output current	Analogue Input	A	0	10	0,1	
	Base	V1.0	MotZAXN1_Vol_mag	Motor output voltage	Analogue Input	V	0	60	0,1	
	Base	V1.0	MotZAXN1_Amp_mag	Motor output current	Analogue Input	A	0	45	0,1	
	Base	V1.0	ZBAT1_Vol_mag	Battery voltage	Analogue Input	V	0	16	0,1	
	Base	V1.0	ZBAT1_Amp_mag	Battery current	Analogue Input	A	-70	7	0,1	
	Base	V1.0	ZBAT1_ChaLevInd_mag	Battery charge level indicator	Analogue Input	%	0	100	0,1	
	Base	V1.0	STMP1_Tmp_mag	Battery temperature	Analogue Input	°C	-40	85		
	Base	V1.0	STMP1_TmpMin_mag	Battery temperature min	Analogue Input	°C	-40	85		
	Base	V1.0	STMP1_TmpMax_mag	Battery temperature max	Analogue Input	°C	-40	85		
	Base	V1.0	ZBAT1_CapDsch_mag	Last battery capacity discharge	Analogue Input	A/h	0	38	0,1	
	Base	V1.0	ZBAT1_IntRMes_mag	Battery actual internal resistance	Analogue Input	mOhm	0	300	0,1	
	Base	V1.0	ZBAT1_ChaTms_mag	Last battery charging time	Analogue Input	s	1	130000		
	Base	V1.0	ZBAT1_DschTms_mag	Last battery discharging time	Analogue Input	s	1	130000		
Base	V1.0	ZBAT1_BakUpTms_mag	Back up time left	Analogue Input	s	1	130000			

PS50										
CoreDb type/ Type CoreDb	Option	Software/ Logiciel	Point name/ Nom de la donnée	Point description/ Description de la donnée	Scada Object Type/ Type d'objet SCADA	Unit/ Unité	Range Min/ Valeur min	Range Max/ Valeur Max	Scale/ Echelle	Default/ Par défaut
Setpoint	Base	V1.0	AcPTOV1_LnEna_setVal	Supply input indication enable	Boolean Setting		0 = Deactivated	1 = Activated		1
	Base	V1.0	AcPTOV1_RsVal_setVal	Supply input indication absence threshold	Integer Setting	V	50	240		60
	Base	V1.0	AcPTOV1_StrVal_setMag	Supply input indication presence threshold	Integer Setting	V	50	240		70
	Base	V1.0	AcPTOV1_RsDITmms_setVal	Supply input indication absence timer	Integer Setting	ms	20	2000		40
	Base	V1.0	AcPTOV1_OpDITmms_setVal	Supply input indication presence timer	Integer Setting	ms	20	2000		40
	Base	V1.0	ComPTOC1_LnEna_setVal	Telecom output max current enable	Boolean Setting		0 = Deactivated	1 = Activated		1
	Base	V1.0	ComPTOC1_StrVal_setMag	Telecom output max current threshold	Integer Setting	A	0,2	4	0,1	1
	Base	V1.0	ComPTOC1_OpDITmms_setVal	Telecom output max current timer	Integer Setting	s	1	300		180
	Base	V1.0	ZBAT1_TstEna_setVal	Battery automatic test enable	Boolean Setting		0 = Deactivated	1 = Activated		1
	Base	V1.0	ZBAT1_TstIntTmd_setVal	Battery automatic test interval	Integer Setting	day	1	100		1
	Base	V1.0	ZBAT1_TstRtryCnt_setVal	Battery automatic test retries count	Integer Setting		1	9		2
	Base	V1.0	ZBAT1_TstRtryTmh_setVal	Battery automatic test retries interval	Integer Setting	h	1	24		12
	Base	V1.0	ZBAT1_IntRMax_setVal	Battery test AC internal maximum resistance	Integer Setting	mOhm	30	300		40
	Base	V1.0	ZBAT1_Type_setVal	Battery type	Integer Setting		0 = Manual 1 = 24 Ah 2 = 48 Ah			1
	Base	V1.0	ZBAT1_CapAH_setVal	Battery nominal capacity	Integer Setting	Ah	14	48	0,1	24
	Base	V1.0	ZBAT1_BakUpEna_setVal	Backup time enable	Boolean Setting		0 = Deactivated	1 = Activated		1
Base	V1.0	LLN0_BakUpMaxTmh_setVal	Backup time duration	Integer Setting	h	1	16		16	

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