

PowerLogic™ P7

Protection and Control Device

Model Implementation Conformance Statement (MICS)

MICS

04/2026

Version: P7/EN MC/02-004A

Firmware version: V02.004

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Introduction

This model implementation conformance statement is applicable for PowerLogic P7 protection and control device, with firmware V02.004 and data model name space <2007B5>.

This MICS document specifies the modelling extensions compared to IEC 61850 Edition 2. For the exact details on the standardized model please compare the ICD substation configuration file: "IECS.icd", version V02.004.

The second clause contains the list of implemented logical nodes.

The third clause describes the new and extended logical nodes (if any).

The fourth clause describes the new and extended enum types (if any).

Logical nodes list

The following table contains the list of logical nodes implemented in the device:

Logical Nodes	Name space when not <2007B5>
C: Logical nodes for control	
CALH (Alarm handling)	
CILO (Interlocking)	
CSWI (Switch controller)	
G: Logical nodes for generic references	
GAPC (Distance proxy)	
GGIO (Current loop output)	
GLOG (Generic log)	
I: Logical nodes for interfacing and archiving	
IHMI (Human machine interface)	
ITCI (Telecontrol interface)	
L: System Logical Nodes	
LCCH (Physical communication channel supervision)	
LGOP (GOOSE publishing)	SE_PowerLogic_InNs_V001:2016
LGOS (GOOSE subscription)	
LLN0 (Logical node zero)	
LPLN (Logical node zero)	SE_PowerLogic_InNs_V001:2016
LPAI (Analog input)	SE_PowerLogic_InNs_V001:2016
LPDI (Digital input)	SE_PowerLogic_InNs_V001:2016
LPDO (Digital output)	SE_PowerLogic_InNs_V001:2016
LPHD (Physical device information)	
LPVI (GOOSE input)	SE_PowerLogic_InNs_V001:2016
LSVP (SV publication supervision)	SE_PowerLogic_InNs_V001:2016
LSVS (SV subscription supervision)	
LTIM (Time management)	
LTMS (Time master supervision)	
LTRK (Service tracking)	
M: Logical Nodes for metering and measurement	
MHAI (Measures Harmonics)	
MMTR (Metering)	
MMXU (Measurement)	
MSQI (Sequence and imbalance)	
P: Logical Nodes for protection functions	
PADM ()	SE_PowerLogic_InNs_V001:2016
PDIF (Basic transformer differential)	
PDOP (Directional overpower)	
PDUP (Directional underpower)	
PFRC (Rate of change of frequency with frequency supervision)	

Logical Nodes	Name space when not <2007B5>
PHAR (Harmonic restraint)	
PIOC (Instantaneous overcurrent)	
PMRI (Motor restart inhibition)	
PMSS (Motor starting time supervision)	
POVS (Overspeed)	
PPAM (Phase angle measuring)	
PSDE (Sensitive directional earthfault)	
PSOF (Switch-onto-fault protection)	
PTEF (Transient intermittent earthfault)	
PTOC (Time overcurrent)	
PTOF (Overfrequency)	
PTOV (Capacitor Overvoltage)	
PTRC (Coupler element in Busbar diff)	
PTTR (Machine Unbalance)	
PTUC (Undercurrent)	
PTUF (Underfrequency load shedding)	
PTUV (Reactive power controlled Undervoltage)	
PVOC (Voltage controlled time overcurrent)	
PVPH (Overfluxing)	
PVRC (Rate of change of voltage)	SE_PowerLogic_InNs_V001:2016
PZSU (Zero speed or underspeed)	
Q: Logical nodes for power quality events	
QVVR (Voltage Variation)	
R: Logical nodes for protection related functions	
RBRF (Breaker failure)	
RDIR (Direction of neutral current)	
RDRE (Disturbance recorder function)	
RFLO (FaultLocation)	
RFMX (Fault measurement)	SE_PowerLogic_InNs_V001:2016
RREC (Recloser)	
RSYN (Synchronism-check)	
S: Logical nodes for supervision and monitoring	
SCBR (Circuit breaker supervision_Light)	
SCTR (Current transformer supervision)	SE_PowerLogic_InNs_V001:2016
SSWI (Circuit switch supervision)	
STMP (Temperature supervision)	
SUPE (Generic automatic process control)	
SVAL (Analog input)	SE_PowerLogic_InNs_V001:2016
SVTR (Voltage transformer supervision)	SE_PowerLogic_InNs_V001:2016
T: Logical nodes for instrument transformers and sensors	
TCTR (Current transformer)	IEC 61869-9:2016A
TCTS (Current transformer)	SE_PowerLogic_InNs_V001:2016

Logical Nodes	Name space when not <2007B5>
TCTT (Current transformer)	SE_PowerLogic_InNs_V001:2016
TGSN (CLIO input Measurement)	
TRTN (Rotation transmitter)	
TTMP (Temperature sensor)	
TVTR (Voltage transformer)	IEC 61869-9:2016A
TVTS (Voltage transformer)	SE_PowerLogic_InNs_V001:2016
TVTT (Voltage transformer)	SE_PowerLogic_InNs_V001:2016
X: Logical Nodes for switchgear	
XCBR (Circuit breaker)	
XSWI (Interlocking)	
Y: Logical nodes for power transformers	
YLTC (Tap Changer)	
Z: Logical nodes for further power system equipment	
ZBAT (Battery)	
ZCAP (Capacitor Bank)	
ZLIN (Line Information)	
ZMOT (Motor)	

Logical node extensions

The following table uses:

- M: Data object is mandatory in the IEC 61850-7-4 Ed2 Amd1.
- O: Data object is optional in the IEC 61850-7-4 Ed2 Amd1 and is used in the device.
- E: Data object is an extension to the IEC 61850-7-4 Ed2 Amd1.

New logical nodes

Newly created logical nodes are listed in this clause, with lnNs attribute in the Name plate.

LN Type: SE_LGOP_PRI_PowerLogic_V001

Description: GOOSE publishing

LGOP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LGOP_PRI_PowerLogic_V001		GOOSE publishing	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
TxRate1	INS	GoCB 1 Tx rate	E	
TxRate2	INS	GoCB 2 Tx rate	E	
TxRate3	INS	GoCB 3 Tx rate	E	
TxRate4	INS	GoCB 4 Tx rate	E	
TxRate5	INS	GoCB 5 Tx rate	E	
TxRate6	INS	GoCB 6 Tx rate	E	
TxRate7	INS	GoCB 7 Tx rate	E	
TxRate8	INS	GoCB 8 Tx rate	E	
TxRate9	INS	GoCB 9 Tx rate	E	
TxRate10	INS	GoCB 10 Tx rate	E	
TxRate11	INS	GoCB 11 Tx rate	E	
TxRate12	INS	GoCB 12 Tx rate	E	
TxRate13	INS	GoCB 13 Tx rate	E	
TxRate14	INS	GoCB 14 Tx rate	E	
TxRate15	INS	GoCB 15 Tx rate	E	
TxRate16	INS	GoCB 16 Tx rate	E	
TxRate17	INS	GoCB 17 Tx rate	E	
TxRate18	INS	GoCB 18 Tx rate	E	
TxRate19	INS	GoCB 19 Tx rate	E	
TxRate20	INS	GoCB 20 Tx rate	E	
TxRate21	INS	GoCB 21 Tx rate	E	
TxRate22	INS	GoCB 22 Tx rate	E	
TxRate23	INS	GoCB 23 Tx rate	E	

LGOP class				
Data object name	Common data class	Description	M/O/E	Remarks
TxRate24	INS	GoCB 24 Tx rate	E	
TxRate25	INS	GoCB 25 Tx rate	E	
TxRate26	INS	GoCB 26 Tx rate	E	
TxRate27	INS	GoCB 27 Tx rate	E	
TxRate28	INS	GoCB 28 Tx rate	E	
TxRate29	INS	GoCB 29 Tx rate	E	
TxRate30	INS	GoCB 30 Tx rate	E	
TxRate31	INS	GoCB 31 Tx rate	E	
TxRate32	INS	GoCB 32 Tx rate	E	
TxRate33	INS	GoCB 33 Tx rate	E	
TxRate34	INS	GoCB 34 Tx rate	E	
TxRate35	INS	GoCB 35 Tx rate	E	
TxRate36	INS	GoCB 36 Tx rate	E	
TxRate37	INS	GoCB 37 Tx rate	E	
TxRate38	INS	GoCB 38 Tx rate	E	
TxRate39	INS	GoCB 39 Tx rate	E	
TxRate40	INS	GoCB 40 Tx rate	E	
TxRate41	INS	GoCB 41 Tx rate	E	
TxRate42	INS	GoCB 42 Tx rate	E	
TxRate43	INS	GoCB 43 Tx rate	E	
TxRate44	INS	GoCB 44 Tx rate	E	
TxRate45	INS	GoCB 45 Tx rate	E	
TxRate46	INS	GoCB 46 Tx rate	E	
TxRate47	INS	GoCB 47 Tx rate	E	
TxRate48	INS	GoCB 48 Tx rate	E	
TxRate49	INS	GoCB 49 Tx rate	E	
TxRate50	INS	GoCB 50 Tx rate	E	
TxRate51	INS	GoCB 51 Tx rate	E	
TxRate52	INS	GoCB 52 Tx rate	E	
TxRate53	INS	GoCB 53 Tx rate	E	
TxRate54	INS	GoCB 54 Tx rate	E	
TxRate55	INS	GoCB 55 Tx rate	E	
TxRate56	INS	GoCB 56 Tx rate	E	
TxRate57	INS	GoCB 57 Tx rate	E	
TxRate58	INS	GoCB 58 Tx rate	E	
TxRate59	INS	GoCB 59 Tx rate	E	
TxRate60	INS	GoCB 60 Tx rate	E	
TxRate61	INS	GoCB 61 Tx rate	E	
TxRate62	INS	GoCB 62 Tx rate	E	
TxRate63	INS	GoCB 63 Tx rate	E	
TxRate64	INS	GoCB 64 Tx rate	E	
Measurement and metered values				
Settings				

LN Type: SE_LPAI_HFB_PowerLogic_V001

Description: Analog input

LPAI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPAI_HFB_PowerLogic_V001		Analog input	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Ch1Gain	ASG	Ch1 gain	O	
Ch1Ratio	ASG	Ch1 ratio	O	
Ch2Gain	ASG	Ch2 gain	O	
Ch2Ratio	ASG	Ch2 ratio	O	
Ch3Gain	ASG	Ch3 gain	O	
Ch3Ratio	ASG	Ch3 ratio	O	
Ch4Gain	ASG	Ch4 gain	O	
Ch4Ratio	ASG	Ch4 ratio	O	
Ch5Gain	ASG	Ch5 gain	O	
Ch5Ratio	ASG	Ch5 ratio	O	
Ch6Gain	ASG	Ch6 gain	O	
Ch6Ratio	ASG	Ch6 ratio	O	
Ch7Gain	ASG	Ch7 gain	O	
Ch7Ratio	ASG	Ch7 ratio	O	
Ch8Gain	ASG	Ch8 gain	O	
Ch8Ratio	ASG	Ch8 ratio	O	
Ch9Gain	ASG	Ch9 gain	O	
Ch9Ratio	ASG	Ch9 ratio	O	
Ch10Gain	ASG	Ch10 gain	O	
Ch10Ratio	ASG	Ch10 ratio	O	
Measurement and metered values				
AmpSv00	SAV	CT1	O	
AmpSv01	SAV	CT2	O	
AmpSv02	SAV	CT3	O	
AmpSv03	SAV	CT4	O	
AmpSv04	SAV		O	
AmpSv05	SAV	CBCT	O	
VolSv06	SAV	VT1	O	
VolSv07	SAV	VT2	O	
VolSv08	SAV	VT3	O	
VolSv09	SAV	VT4	O	
Settings				
NbAnaBoard	ING	Board slot	O	
Ch1Gain	ASG	Ch1 gain	O	
Ch1Ratio	ASG	Ch1 ratio	O	

LPAI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ch2Gain	ASG	Ch2 gain	O	
Ch2Ratio	ASG	Ch2 ratio	O	
Ch3Gain	ASG	Ch3 gain	O	
Ch3Ratio	ASG	Ch3 ratio	O	
Ch4Gain	ASG	Ch4 gain	O	
Ch4Ratio	ASG	Ch4 ratio	O	
Ch5Gain	ASG	Ch5 gain	O	
Ch5Ratio	ASG	Ch5 ratio	O	
Ch6Gain	ASG	Ch6 gain	O	
Ch6Ratio	ASG	Ch6 ratio	O	
Ch7Gain	ASG	Ch7 gain	O	
Ch7Ratio	ASG	Ch7 ratio	O	
Ch8Gain	ASG	Ch8 gain	O	
Ch8Ratio	ASG	Ch8 ratio	O	
Ch9Gain	ASG	Ch9 gain	O	
Ch9Ratio	ASG	Ch9 ratio	O	
Ch10Gain	ASG	Ch10 gain	O	
Ch10Ratio	ASG	Ch10 ratio	O	

LN Type: SE_LPDI_T1_PowerLogic_V001

Description: Digital input

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDI_T1_PowerLogic_V001		Digital input	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Ind1	SPS	BI1	O	
Ind2	SPS	BI2	O	
Ind3	SPS	BI3	O	
Ind4	SPS	BI4	O	
Ind5	SPS	BI5	O	
Ind6	SPS	BI6	O	
Ind7	SPS	BI7	O	
Ind8	SPS	BI8	O	
Tcs1	SPS	TCS1	O	
Tcs2	SPS	TCS2	O	
Tcs3	SPS	TCS3	O	
IntTCnt	INS	Speed time interval	E	
PluseMarker	INS	Pulse marker	E	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7Ch8PiPct	ASG	BI7, BI8 pick-up ratio	O	
Ch7Ch8DrPct	ASG	BI7, BI8 DO/PU ratio	O	
Ch7Ch8Filter	ASG	BI7, BI8 filter delay	O	
TcsPiPct	ASG	TCS pick-up ratio	O	
TcsDrPct	ASG	TCS DO/PU ratio	O	
TcsFilter	ASG	TCS filter delay	O	
Measurement and metered values				
Settings				
Ind1Lab	VSG	BI1 label	E	
Ind2Lab	VSG	BI2 label	E	
Ind3Lab	VSG	BI3 label	E	
Ind4Lab	VSG	BI4 label	E	
Ind5Lab	VSG	BI5 label	E	
Ind6Lab	VSG	BI6 label	E	
Ind7Lab	VSG	BI7 label	E	
Ind8Lab	VSG	BI8 label	E	
Tcs1Lab	VSG	TCS1 label	E	
Tcs2Lab	VSG	TCS2 label	E	
Tcs3Lab	VSG	TCS3 label	E	
SpeedMod	ENG	Speed input	E	
BroadCastMod	ENG	BI common setting	E	
NbCh1	ING	BI1 hardware channel	O	
NbCh2	ING	BI2 hardware channel	O	
NbCh3	ING	BI3 hardware channel	O	
NbCh4	ING	BI4 hardware channel	O	
NbCh5	ING	BI5 hardware channel	O	
NbCh6	ING	BI6 hardware channel	O	
NbCh7	ING	BI7 hardware channel	O	
NbCh8	ING	BI8 hardware channel	O	
NbCh9	ING	TCS1 hardware channel	O	
NbCh10	ING	TCS2 hardware channel	O	
NbCh11	ING	TCS3 hardware channel	O	
Ch1Ch2VTyp	ENG	BI1, BI2 type	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4VTyp	ENG	BI3, BI4 type	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6VTyp	ENG	BI5, BI6 type	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7Ch8VTyp	ENG	BI7, BI8 type	O	
Ch7Ch8PiPct	ASG	BI7, BI8 pick-up ratio	O	
Ch7Ch8DrPct	ASG	BI7, BI8 DO/PU ratio	O	
Ch7Ch8Filter	ASG	BI7, BI8 filter delay	O	
TcsVTyp	ENG	TCS type	O	
TcsPiPct	ASG	TCS pick-up ratio	O	
TcsDrPct	ASG	TCS DO/PU ratio	O	
TcsFilter	ASG	TCS filter delay	O	

LN Type: SE_LPDI_T2_PowerLogic_V001

Description: Digital input

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDI_T2_PowerLogic_V001		Digital input	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Ind1	SPS	BI1	O	
Ind2	SPS	BI2	O	
Ind3	SPS	BI3	O	
Ind4	SPS	BI4	O	
Ind5	SPS	BI5	O	
Ind6	SPS	BI6	O	
Ind7	SPS	BI7	O	
Ind8	SPS	BI8	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7Ch8PiPct	ASG	BI7, BI8 pick-up ratio	O	
Ch7Ch8DrPct	ASG	BI7, BI8 DO/PU ratio	O	
Ch7Ch8Filter	ASG	BI7, BI8 filter delay	O	
Measurement and metered values				
Settings				
Ind1Lab	VSG	BI1 label	E	
Ind2Lab	VSG	BI2 label	E	
Ind3Lab	VSG	BI3 label	E	
Ind4Lab	VSG	BI4 label	E	
Ind5Lab	VSG	BI5 label	E	
Ind6Lab	VSG	BI6 label	E	
Ind7Lab	VSG	BI7 label	E	
Ind8Lab	VSG	BI8 label	E	
BroadCastMod	ENG	BI common setting	E	
NbCh1	ING	BI1 hardware channel	O	
NbCh2	ING	BI2 hardware channel	O	
NbCh3	ING	BI3 hardware channel	O	
NbCh4	ING	BI4 hardware channel	O	
NbCh5	ING	BI5 hardware channel	O	
NbCh6	ING	BI6 hardware channel	O	
NbCh7	ING	BI7 hardware channel	O	
NbCh8	ING	BI8 hardware channel	O	
Ch1Ch2VTyp	ENG	BI1, BI2 type	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4VTyp	ENG	BI3, BI4 type	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6VTyp	ENG	BI5, BI6 type	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7Ch8VTyp	ENG	BI7, BI8 type	O	
Ch7Ch8PiPct	ASG	BI7, BI8 pick-up ratio	O	
Ch7Ch8DrPct	ASG	BI7, BI8 DO/PU ratio	O	
Ch7Ch8Filter	ASG	BI7, BI8 filter delay	O	

LN Type: SE_LPDI_T3_PowerLogic_V001**Description:** Digital input

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDI_T3_PowerLogic_V001		Digital input	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Ind1	SPS	BI1	O	
Ind2	SPS	BI2	O	
Ind3	SPS	BI3	O	
Ind4	SPS	BI4	O	
Ind5	SPS	BI5	O	
Ind6	SPS	BI6	O	
Ind7	SPS	BI7	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7PiPct	ASG	BI7 pick-up ratio	O	
Ch7DrPct	ASG	BI7 DO/PU ratio	O	
Ch7Filter	ASG	BI7 filter delay	O	
Measurement and metered values				
Settings				
Ind1Lab	VSG	BI1 label	E	
Ind2Lab	VSG	BI2 label	E	
Ind3Lab	VSG	BI3 label	E	
Ind4Lab	VSG	BI4 label	E	
Ind5Lab	VSG	BI5 label	E	
Ind6Lab	VSG	BI6 label	E	
Ind7Lab	VSG	BI7 label	E	
BroadCastMod	ENG	BI common setting	E	
NbCh1	ING	BI1 hardware channel	O	
NbCh2	ING	BI2 hardware channel	O	
NbCh3	ING	BI3 hardware channel	O	
NbCh4	ING	BI4 hardware channel	O	
NbCh5	ING	BI5 hardware channel	O	
NbCh6	ING	BI6 hardware channel	O	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
NbCh7	ING	BI7 hardware channel	O	
Ch1Ch2VTyp	ENG	BI1, BI2 type	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4VTyp	ENG	BI3, BI4 type	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6VTyp	ENG	BI5, BI6 type	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7VTyp	ENG	BI7 type	O	
Ch7PiPct	ASG	BI7 pick-up ratio	O	
Ch7DrPct	ASG	BI7 DO/PU ratio	O	
Ch7Filter	ASG	BI7 filter delay	O	

LN Type: SE_LPDI_T4_PowerLogic_V001

Description: Digital input

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDI_T4_PowerLogic_V001		Digital input	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Ind1	SPS	BI1	O	
Ind2	SPS	BI2	O	
Ind3	SPS	BI3	O	
Ind4	SPS	BI4	O	
Ind5	SPS	BI5	O	
Ind6	SPS	BI6	O	
Ind7	SPS	BI7	O	
Ind8	SPS	BI8	O	
Ind9	SPS	BI9	O	
Ind10	SPS	BI10	O	
Ind11	SPS	BI11	O	
Ind12	SPS	BI12	O	
Ind13	SPS	BI13	O	
Ind14	SPS	BI14	O	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ind15	SPS	BI15	O	
Ind16	SPS	BI16	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7Ch8PiPct	ASG	BI7, BI8 pick-up ratio	O	
Ch7Ch8DrPct	ASG	BI7, BI8 DO/PU ratio	O	
Ch7Ch8Filter	ASG	BI7, BI8 filter delay	O	
Ch9Ch10Pi	ASG	BI9, BI10 pick-up ratio	O	
Ch9Ch10Dr	ASG	BI9, BI10 DO/PU ratio	O	
Ch9Ch10Filt	ASG	BI9, BI10 filter delay	O	
Ch11Ch12Pi	ASG	BI11, BI12 pick-up ratio	O	
Ch11Ch12Dr	ASG	BI11, BI12 DO/PU ratio	O	
Ch11Ch12Filt	ASG	BI11, BI12 filter delay	O	
Ch13Ch14Pi	ASG	BI13, BI14 pick-up ratio	O	
Ch13Ch14Dr	ASG	BI13, BI14 DO/PU ratio	O	
Ch13Ch14Filt	ASG	BI13, BI14 filter delay	O	
Ch15Ch16Pi	ASG	BI15, BI16 pick-up ratio	O	
Ch15Ch16Dr	ASG	BI15, BI16 DO/PU ratio	O	
Ch15Ch16Filt	ASG	BI15, BI16 filter delay	O	
Measurement and metered values				
Settings				
Ind1Lab	VSG	BI1 label	E	
Ind2Lab	VSG	BI2 label	E	
Ind3Lab	VSG	BI3 label	E	
Ind4Lab	VSG	BI4 label	E	
Ind5Lab	VSG	BI5 label	E	
Ind6Lab	VSG	BI6 label	E	
Ind7Lab	VSG	BI7 label	E	
Ind8Lab	VSG	BI8 label	E	
Ind9Lab	VSG	BI9 label	E	
Ind10Lab	VSG	BI10 label	E	
Ind11Lab	VSG	BI11 label	E	
Ind12Lab	VSG	BI12 label	E	
Ind13Lab	VSG	BI13 label	E	
Ind14Lab	VSG	BI14 label	E	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ind15Lab	VSG	BI15 label	E	
Ind16Lab	VSG	BI16 label	E	
BroadCastMod	ENG	BI common setting	E	
NbCh1	ING	BI1 hardware channel	O	
NbCh2	ING	BI2 hardware channel	O	
NbCh3	ING	BI3 hardware channel	O	
NbCh4	ING	BI4 hardware channel	O	
NbCh5	ING	BI5 hardware channel	O	
NbCh6	ING	BI6 hardware channel	O	
NbCh7	ING	BI7 hardware channel	O	
NbCh8	ING	BI8 hardware channel	O	
NbCh9	ING	BI9 hardware channel	O	
NbCh10	ING	BI10 hardware channel	O	
NbCh11	ING	BI11 hardware channel	O	
NbCh12	ING	BI12 hardware channel	O	
NbCh13	ING	BI13 hardware channel	O	
NbCh14	ING	BI14 hardware channel	O	
NbCh15	ING	BI15 hardware channel	O	
NbCh16	ING	BI16 hardware channel	O	
Ch1Ch2VTyp	ENG	BI1, BI2 type	O	
Ch1Ch2PiPct	ASG	BI1, BI2 pick-up ratio	O	
Ch1Ch2DrPct	ASG	BI1, BI2 DO/PU ratio	O	
Ch1Ch2Filter	ASG	BI1, BI2 filter delay	O	
Ch3Ch4VTyp	ENG	BI3, BI4 type	O	
Ch3Ch4PiPct	ASG	BI3, BI4 pick-up ratio	O	
Ch3Ch4DrPct	ASG	BI3, BI4 DO/PU ratio	O	
Ch3Ch4Filter	ASG	BI3, BI4 filter delay	O	
Ch5Ch6VTyp	ENG	BI5, BI6 type	O	
Ch5Ch6PiPct	ASG	BI5, BI6 pick-up ratio	O	
Ch5Ch6DrPct	ASG	BI5, BI6 DO/PU ratio	O	
Ch5Ch6Filter	ASG	BI5, BI6 filter delay	O	
Ch7Ch8VTyp	ENG	BI7, BI8 type	O	
Ch7Ch8PiPct	ASG	BI7, BI8 pick-up ratio	O	
Ch7Ch8DrPct	ASG	BI7, BI8 DO/PU ratio	O	
Ch7Ch8Filter	ASG	BI7, BI8 filter delay	O	
Ch9Ch10VTyp	ENG	BI9, BI10 type	O	
Ch9Ch10Pi	ASG	BI9, BI10 pick-up ratio	O	
Ch9Ch10Dr	ASG	BI9, BI10 DO/PU ratio	O	
Ch9Ch10Filt	ASG	BI9, BI10 filter delay	O	
Ch11Ch12VTyp	ENG	BI11, BI12 type	O	
Ch11Ch12Pi	ASG	BI11, BI12 pick-up ratio	O	
Ch11Ch12Dr	ASG	BI11, BI12 DO/PU ratio	O	

LPDI class				
Data object name	Common data class	Description	M/O/E	Remarks
Ch11Ch12Filt	ASG	BI11, BI12 filter delay	O	
Ch13Ch14VTyp	ENG	BI13, BI14 type	O	
Ch13Ch14Pi	ASG	BI13, BI14 pick-up ratio	O	
Ch13Ch14Dr	ASG	BI13, BI14 DO/PU ratio	O	
Ch13Ch14Filt	ASG	BI13, BI14 filter delay	O	
Ch15Ch16VTyp	ENG	BI15, BI16 type	O	
Ch15Ch16Pi	ASG	BI15, BI16 pick-up ratio	O	
Ch15Ch16Dr	ASG	BI15, BI16 DO/PU ratio	O	
Ch15Ch16Filt	ASG	BI15, BI16 filter delay	O	

LN Type: SE_LPDO_T1_PowerLogic_V002

Description: Digital output

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDO_T1_PowerLogic_V002		Digital output	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
StInd1	SPS	BO1 (TCS)	O	
StInd2	SPS	BO2 (TCS)	O	
StInd3	SPS	BO3 (TCS)	O	
StInd4	SPS	BO4	O	
StInd5	SPS	BO5	O	
StInd6	SPS	BO6	O	
StInd7	SPS	BO7 (slot Z)	O	
StInd8	SPS	BO8 (slot Z)	O	
WDInSt	SPS	WD input St	O	
CmdInd1	SPS	BO1 input	O	
CmdInd2	SPS	BO2 input	O	
CmdInd3	SPS	BO3 input	O	
CmdInd4	SPS	BO4 input	O	
CmdInd5	SPS	BO5 input	O	
CmdInd6	SPS	BO6 input	O	
CmdInd7	SPS	BO7 input	O	
CmdInd8	SPS	BO8 input	O	
Measurement and metered values				
Settings				
NbCh1	ING	BO1 hardware channel	O	
NbCh2	ING	BO2 hardware channel	O	

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
NbCh3	ING	BO3 hardware channel	O	
NbCh4	ING	BO4 hardware channel	O	
NbCh5	ING	BO5 hardware channel	O	
NbCh6	ING	BO6 hardware channel	O	
NbCh7	ING	BO7 hardware channel	O	
NbCh8	ING	BO8 hardware channel	O	
LatchCh1	ENG	BO1 latch	O	
LatchCh2	ENG	BO2 latch	O	
LatchCh3	ENG	BO3 latch	O	
LatchCh4	ENG	BO4 latch	O	
LatchCh5	ENG	BO5 latch	O	
LatchCh6	ENG	BO6 latch	O	
LatchCh7	ENG	BO7 latch	O	
LatchCh8	ENG	BO8 latch	O	
Ind1Lab	VSG	BO1 label	E	
Ind2Lab	VSG	BO2 label	E	
Ind3Lab	VSG	BO3 label	E	
Ind4Lab	VSG	BO4 label	E	
Ind5Lab	VSG	BO5 label	E	
Ind6Lab	VSG	BO6 label	E	
Ind7Lab	VSG	BO7 label	E	
Ind8Lab	VSG	BO8 label	E	

LN Type: SE_LPDO_T2_PowerLogic_V002

Description: Digital output

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDO_T2_PowerLogic_V002		Digital output	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
StInd1	SPS	BO1	O	
StInd2	SPS	BO2	O	
StInd3	SPS	BO3	O	
StInd4	SPS	BO4	O	
StInd5	SPS	BO5	O	
StInd6	SPS	BO6	O	
CmdInd1	SPS	BO1 input	O	
CmdInd2	SPS	BO2 input	O	
CmdInd3	SPS	BO3 input	O	
CmdInd4	SPS	BO4 input	O	

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
CmdInd5	SPS	BO5 input	O	
CmdInd6	SPS	BO6 input	O	
Measurement and metered values				
Settings				
NbCh1	ING	BO1 hardware channel	O	
NbCh2	ING	BO2 hardware channel	O	
NbCh3	ING	BO3 hardware channel	O	
NbCh4	ING	BO4 hardware channel	O	
NbCh5	ING	BO5 hardware channel	O	
NbCh6	ING	BO6 hardware channel	O	
LatchCh1	ENG	BO1 latch	O	
LatchCh2	ENG	BO2 latch	O	
LatchCh3	ENG	BO3 latch	O	
LatchCh4	ENG	BO4 latch	O	
LatchCh5	ENG	BO5 latch	O	
LatchCh6	ENG	BO6 latch	O	
Ind1Lab	VSG	BO1 label	E	
Ind2Lab	VSG	BO2 label	E	
Ind3Lab	VSG	BO3 label	E	
Ind4Lab	VSG	BO4 label	E	
Ind5Lab	VSG	BO5 label	E	
Ind6Lab	VSG	BO6 label	E	

LN Type: SE_LPDO_T3_PowerLogic_V002

Description: Digital output

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDO_T3_PowerLogic_V002		Digital output	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	O	
Status Information				
StInd1	SPS	BO1	O	
StInd2	SPS	BO2	O	
StInd3	SPS	BO3	O	
StInd4	SPS	BO4	O	
StInd5	SPS	BO5	O	
StInd6	SPS	BO6	O	
StInd7	SPS	BO7	O	
CmdInd1	SPS	BO1 input	O	
CmdInd2	SPS	BO2 input	O	
CmdInd3	SPS	BO3 input	O	

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
CmdInd4	SPS	BO4 input	O	
CmdInd5	SPS	BO5 input	O	
CmdInd6	SPS	BO6 input	O	
CmdInd7	SPS	BO7 input	O	
Measurement and metered values				
Settings				
NbCh1	ING	BO1 hardware channel	O	
NbCh2	ING	BO2 hardware channel	O	
NbCh3	ING	BO3 hardware channel	O	
NbCh4	ING	BO4 hardware channel	O	
NbCh5	ING	BO5 hardware channel	O	
NbCh6	ING	BO6 hardware channel	O	
NbCh7	ING	BO7 hardware channel	O	
LatchCh1	ENG	BO1 latch	O	
LatchCh2	ENG	BO2 latch	O	
LatchCh3	ENG	BO3 latch	O	
LatchCh4	ENG	BO4 latch	O	
LatchCh5	ENG	BO5 latch	O	
LatchCh6	ENG	BO6 latch	O	
LatchCh7	ENG	BO7 latch	O	
Ind1Lab	VSG	BO1 label	E	
Ind2Lab	VSG	BO2 label	E	
Ind3Lab	VSG	BO3 label	E	
Ind4Lab	VSG	BO4 label	E	
Ind5Lab	VSG	BO5 label	E	
Ind6Lab	VSG	BO6 label	E	
Ind7Lab	VSG	BO7 label	E	

LN Type: SE_LPDO_T4_PowerLogic_V001

Description: Digital output for DO Board

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPDO_T4_PowerLogic_V001		Digital output for DO Board	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
StInd1	SPS	FK1 status	O	
StInd2	SPS	FK2 status	O	
StInd3	SPS	FK3 status	O	
StInd4	SPS	FK4 status	O	
StInd5	SPS	FK5 status	O	

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
StInd6	SPS	FK6 status	O	
StInd7	SPS	FK7 status	O	
StInd8	SPS	FK8 status	O	
StInd9	SPS	FK9 status	O	
StInd10	SPS	FK10 status	O	
CmdInd1	SPS	FK11 status	O	
CmdInd2	SPS	FK12 status	O	
CmdInd3	SPS	Local status	O	
CmdInd4	SPS	Switchgear control colors	O	
CmdInd5	SPS	Control icon colors	O	
CmdInd6	SPS	BO6 input	O	
CmdInd7	SPS	BO7 input	O	
CmdInd8	SPS	BO8 input	O	
CmdInd9	SPS	BO9 input	O	
CmdInd10	SPS	BO10 input	O	
Measurement and metered values				
Settings				
NbCh1	ING	BO1 hardware channel	O	
NbCh2	ING	BO2 hardware channel	O	
NbCh3	ING	BO3 hardware channel	O	
NbCh4	ING	BO4 hardware channel	O	
NbCh5	ING	BO5 hardware channel	O	
NbCh6	ING	BO6 hardware channel	O	
NbCh7	ING	BO7 hardware channel	O	
NbCh8	ING	BO8 hardware channel	O	
NbCh9	ING	BO9 hardware channel	O	
NbCh10	ING	BO10 hardware channel	O	
LatchCh1	ENG	BO1 latch	O	
LatchCh2	ENG	BO2 latch	O	
LatchCh3	ENG	BO3 latch	O	
LatchCh4	ENG	BO4 latch	O	
LatchCh5	ENG	BO5 latch	O	
LatchCh6	ENG	BO6 latch	O	
LatchCh7	ENG	BO7 latch	O	
LatchCh8	ENG	BO8 latch	O	
LatchCh9	ENG	BO9 latch	O	
LatchCh10	ENG	BO10 latch	O	
Ind1Lab	VSG	BO1 label	E	
Ind2Lab	VSG	BO2 label	E	
Ind3Lab	VSG	BO3 label	E	
Ind4Lab	VSG	BO4 label	E	
Ind5Lab	VSG	BO5 label	E	
Ind6Lab	VSG	BO6 label	E	
Ind7Lab	VSG	BO7 label	E	

LPDO class				
Data object name	Common data class	Description	M/O/E	Remarks
Ind8Lab	VSG	BO8 label	E	
Ind9Lab	VSG	BO9 label	E	
Ind10Lab	VSG	BO10 label	E	

LN Type: SE_LPVI_STD_Template_PowerLogic_V001

Description: GOOSE input

LPVI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPVI_STD_Template_PowerLogic_V001		GOOSE input	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Ind1	SPS		E	
ACT1	ACT		O	
Measurement and metered values				
MV1	MV		O	
Settings				

LN Type: SE_LSVP_PowerLogic_V001

Description: SV publication supervision

LSVP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LSVP_PowerLogic_V001		SV publication supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Mod	ENC	Mod	O	
Status Information				
St	SPS	Status	O	
TmSyn	ENS	Time sync level	E	
Measurement and metered values				
Settings				

LN Type: SE_PADM_EFADMIT_PowerLogic_V001

Description:

PADM class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PADM_EFADMINIT_PowerLogic_V001			M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
YNStrVal	ASG	YN start value	O	
BNStrVal	ASG	BN start value	O	
GNStrVal	ASG	GN start value	O	
BlkValA	ASG	Minimum current	O	
BlkValV	ASG	Minimum voltage	O	
Measurement and metered values				
YN	MV	YN	O	
BN	MV	BN	O	
GN	MV	GN	O	
FitYN	MV	Fault YN	E	
FitBN	MV	Fault BN	E	
FitGN	MV	Fault GN	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Operation mode	E	
DirMod	ENG	Directional mode	O	
YNStrVal	ASG	YN start value	O	
BNStrVal	ASG	BN start value	O	
GNStrVal	ASG	GN start value	O	
StrDITmms	ING	VN supervision time	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	
BlkValA	ASG	Minimum current	O	
BlkValV	ASG	Minimum voltage	O	

LN Type: SE_PVRC_PowerLogic_V001

Description: Rate of change of voltage

PVRC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PVRC_PowerLogic_V001		Rate of change of voltage	M	
Data Objects				

PVRC class				
Data object name	Common data class	Description	M/O/E	Remarks
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
VSUP	ACD	Voltage release	E	
Str	ACD	Start	O	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
BlkV	SPS	UV inhibit	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
BlkVVal	ASG	Voltage release value	E	
BlkVal	ASG	UV inhibit value	O	
Measurement and metered values				
ROCOV	DEL	ROCOV	E	
FltV	DEL	Fault voltage	E	
FltROCOV	DEL	Fault ROCOV	E	
Settings				
SetMod	ENG	Function status	E	
ClcIntvPer	ING	Measuring window	O	
StrVal	ASG	Start value	O	
OpMod	ENG	Operation mode	E	
BlkVVal	ASG	Voltage release value	E	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	
BlkVal	ASG	UV inhibit value	O	

LN Type: SE_RFMX_FAULTMEASUREMENT_PowerLogic_V001

Description: Fault measurement

RFMX class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RFMX_FAULTMEASUREMENT_PowerLogic_V001		Fault measurement	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Mod	ENC	Mod	O	
Status Information				
StartLog	SPS	Start log	O	
Measurement and metered values				
FltA	WYE	Fault current	E	

RFMX class				
Data object name	Common data class	Description	M/O/E	Remarks
FltPhV	WYE	Fault phase voltage	E	
FltHz	MV	Fault frequency	E	
Settings				
SetMod	ENG	Function status	E	

LN Type: SE_SCTR_CTS_PowerLogic_V001

Description: Current transformer supervision

SCTR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_SCTR_CTS_PowerLogic_V001		Current transformer supervision	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	O	
Status Information				
CTSBik	SPS	Block	O	
FSTBik	SPS	Fast block	O	
CTSAIm	SPS	Alarm	O	
Blk	SPS	Blocked	O	
INdiffVal	ASG	IN diff start value	E	
Measurement and metered values				
INdiff	MV	IN diff	E	
Settings				
SetMod	ENG	Function status	E	
OpDITmms	ING	Alarm delay	O	
INdiffMod	ENG	IN diff mode	E	
INdiffVal	ASG	IN diff start value	E	

LN Type: SE_SVTR_VTS_PowerLogic_V001

Description: Voltage transformer supervision

SVTR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_SVTR_VTS_PowerLogic_V001		Voltage transformer supervision	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	O	
Status Information				
VTSBik	SPS	Block	O	
VTSAIm	SPS	Alarm	O	
Blk	SPS	Blocked	O	
IminStrVal	ASG	Min current check value	E	

SVTR class				
Data object name	Common data class	Description	M/O/E	Remarks
V2StrVal	ASG	Neg seq OV start value	E	
I2StrVal	ASG	Neg seq OC block value	E	
VmaxStrVal	ASG	3ph UV start value	E	
ImaxStrVal	ASG	3ph OC block value	E	
VNdiffStrVal	ASG	VN diff start value	E	
Measurement and metered values				
VNdiff	MV	VN diff	E	
Settings				
SetMod	ENG	Function status	E	
OpDITmms	ING	Operate delay	E	
IminStrVal	ASG	Min current check value	E	
V2StrVal	ASG	Neg seq OV start value	E	
I2StrVal	ASG	Neg seq OC block value	E	
VmaxStrVal	ASG	3ph UV start value	E	
ImaxStrVal	ASG	3ph OC block value	E	
VNdiffMod	ENG	VN diff mode	E	
VNdiffStrVal	ASG	VN diff start value	E	

LN Type: SE_TCTS_CSH_PowerLogic_V001

Description: Current transformer

TCTS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TCTS_CSH_PowerLogic_V001		Current transformer	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Buffer index	E	
ARtgSec	ASG	Secondary	E	
ARtg	ASG	Rated current	O	
ARtg2	ASG	Rated current2	E	
HzRtg	ASG	Rated frequency	O	
AngCor	ASG	Angle correction	O	
Cutoff	ASG	Cutoff current	E	
Measurement and metered values				
Settings				
ARtgSec	ASG	Secondary	E	
ARtg	ASG	Rated current	O	
ARtg2	ASG	Rated current2	E	
HzRtg	ASG	Rated frequency	O	

TCTS class				
Data object name	Common data class	Description	M/O/E	Remarks
CTCon	ENG	Connection type	E	
NbChIx	ING	Ix channel	E	
CTpol	ENG	Polarity	E	
AngCor	ASG	Angle correction	O	
Cutoff	ASG	Cutoff current	E	
ACSH30Enable	ENG	CSH30 Enable	E	

LN Type: SE_TCTS_PowerLogic_V002

Description: Current transformer

TCTS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TCTS_PowerLogic_V002		Current transformer	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Buffer index	E	
ARtg	ASG	Rated current	O	
ARtg2	ASG	Rated current2	E	
ARtgSec	ASG	Secondary	E	
AngCor	ASG	Angle correction	O	
Cutoff	ASG	Cutoff current	E	
Measurement and metered values				
Settings				
CTCon	ENG	Connection type	E	
ARtg	ASG	Rated current	O	
ARtg2	ASG	Rated current2	E	
ARtgSec	ASG	Secondary	E	
CTpol	ENG	Polarity	E	
AngCor	ASG	Angle correction	O	
Cutoff	ASG	Cutoff current	E	
NbChIx	ING	Ix channel	E	

LN Type: SE_TCTT_STDProxy_PowerLogic_V004

Description: Current transformer

TCTT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TCTT_STDProxy_PowerLogic_V004		Current transformer	M	
Data Objects				

TCTT class				
Data object name	Common data class	Description	M/O/E	Remarks
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Buffer index	E	
ARtg	ASG	Rated current	O	
ARtg2	ASG	Rated current2	E	
ARtgSec	ASG	Secondary	O	
Cutoff	ASG	Cutoff current	E	
Measurement and metered values				
Settings				
CTCon	ENG	Connection type	O	
ARtg	ASG	Rated current	O	
ARtg2	ASG	Rated current2	E	
ARtgSec	ASG	Secondary	O	
PhaseCTpol	ENG	Phase polarity	E	
INCTpol	ENG	Neutral polarity	E	
Cutoff	ASG	Cutoff current	E	
NbChIA	ING	IA channel	O	
NbChIB	ING	IB channel	O	
NbChIC	ING	IC channel	O	
NbChIN	ING	IN channel	O	

LN Type: SE_TCTT_Summation_PowerLogic_V001

Description: Current transformer

TCTT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TCTT_Summation_PowerLogic_V001		Current transformer	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Buffer index	E	
Measurement and metered values				
Settings				
CTCon	ENG	Summated CTs	O	
CTpolx1	ENG	CT1 polarity	E	
CTpolx2	ENG	CT2 polarity	E	
CTpolx3	ENG	CT3 polarity	E	
CTpolx4	ENG	CT4 polarity	E	

LN Type: SE_TVTS_PowerLogic_V002**Description:** Voltage transformer

TVTS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TVTS_PowerLogic_V002		Voltage transformer	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
FuFail	SPS	Fuse fail	O	
GBIdx	INS	Buffer index	E	
VRtg	ASG	Rated voltage	O	
VRtgVN	ASG	Rated voltage	E	
VRtgSec	ASG	Secondary	E	
VRtgPhSec	ASG	Secondary	E	
VRtgSecN	ASG	Secondary	E	
Cutoff	ASG	Cutoff voltage	E	
Measurement and metered values				
Settings				
VTCon	ENG	Connection type	E	
VRtg	ASG	Rated voltage	O	
VRtgVN	ASG	Rated voltage	E	
VRtgSec	ASG	Secondary	E	
VRtgPhSec	ASG	Secondary	E	
VRtgSecN	ASG	Secondary	E	
Cutoff	ASG	Cutoff voltage	E	
NbChVx	ING	Vx channel	E	

LN Type: SE_TVTS_VTSwitchProxy_PowerLogic_V002**Description:** VT switching Single Phase

TVTS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TVTS_VTSwitchProxy_PowerLogic_V002		VT switching Single Phase	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Buffer index	E	
FuFail	SPS	Fuse fail	O	
VTNum	ENS	Selected VT	O	
Blk	SPS	Blocked	O	

TVTS class				
Data object name	Common data class	Description	M/O/E	Remarks
VT2act	SPS	VT2 is selected	E	
Measurement and metered values				
VRtgOut	MV	Voltage primary rated value	E	
Settings				

LN Type: SE_TVTT_StdProxy_PowerLogic_V003

Description: Voltage transformer

TVTT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TVTT_StdProxy_PowerLogic_V003		Voltage transformer	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
FuFail	SPS	Fuse Fail	O	
GBIdx	INS	Buffer index	E	
VRtg	ASG	Rated voltage	O	
VRtgVN	ASG	Rated Neutral voltage	E	
VRtgPh	ASG	Rated phase voltage	O	
VRtgToP	ASG	3x rated phase voltage	O	
VRtgSec	ASG	Secondary	O	
VRtgPhSec	ASG	Secondary	O	
VRtgToPsec	ASG	3x rated phase voltage	O	
VRtgSecN	ASG	Neutral secondary	O	
Cutoff	ASG	Cutoff voltage	E	
Measurement and metered values				
Settings				
VTCon	ENG	Connection type	O	
VRtg	ASG	Rated voltage	O	
VRtgVN	ASG	Rated Neutral voltage	E	
VRtgPh	ASG	Rated phase voltage	O	
VRtgToP	ASG	3x rated phase voltage	O	
VRtgSec	ASG	Secondary	O	
VRtgPhSec	ASG	Secondary	O	
VRtgToPsec	ASG	3x rated phase voltage	O	
VRtgSecN	ASG	Neutral secondary	O	
Cutoff	ASG	Cutoff voltage	E	
NbChV1	ING	VA/VAB channel	O	
NbChV2	ING	VB/VCB channel	O	

TVTT class				
Data object name	Common data class	Description	M/O/E	Remarks
NbChV3	ING	VC channel	O	
NbChV4	ING	VN channel	O	

LN Type: SE_TVTT_VTSwitchProxy_PowerLogic_V002

Description: VT switching

TVTT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TVTT_VTSwitchProxy_PowerLogic_V002		VT switching	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Buffer index	E	
FuFail	SPS	Fuse fail	O	
VTNum	ENS	Selected VT	O	
Blk	SPS	Blocked	O	
VT2act	SPS	VT2 is selected	E	
Measurement and metered values				
VRtgOut	MV	Rated voltage	E	
Settings				

LN Type: SE_TVTT_VirVTProxy_PowerLogic_V002

Description: Virtual VT

TVTT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TVTT_VirVTProxy_PowerLogic_V002		Virtual VT	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
GBIdx	INS	Reference VT	E	
FuFail	SPS	Fuse fail	O	
MF	ASG	Matching factor	O	
VRtg	ASG	Rated voltage	O	
VRtgPh	ASG	Rated phase voltage	O	
VRtgToP	ASG	3x rated phase voltage	O	
Cutoff	ASG	Cutoff voltage	E	
Measurement and metered values				
Settings				

TVTT class				
Data object name	Common data class	Description	M/O/E	Remarks
VirVTLoc	ENG	Virtual VT location	E	
MF	ASG	Matching factor	O	
VectGrp	ING	Transformer vector group	O	
VRtg	ASG	Rated voltage	O	
VRtgPh	ASG	Rated phase voltage	O	
VRtgToP	ASG	3x rated phase voltage	O	
Cutoff	ASG	Cutoff voltage	E	
VTCon	ENG	Connection type	O	

Extended Logical Nodes

The following logical nodes have been extended with extra data. All extra data has been highlighted in the tables and marked as “E” (Extended).

NOTE: If the extended data object is already used in other logic nodes in IEC 61850-7-4 Ed.2 Amd1, dataNs is not mandatory, but it's still recommended.

LN Type: SE_CALH_PowerLogic_V001

Description: Alarm handling

CALH class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_CALH_PowerLogic_V001		Alarm handling	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
AlmTotal	INS	Total alarms	E	
AlmNum	INS	Active alarms	E	
AlmGenSt	VSS	Alarm status	E	
AlmSt1	ENS	Alarm 1 status	E	
AlmSt2	ENS	Alarm 2 status	E	
AlmSt3	ENS	Alarm 3 status	E	
AlmSt4	ENS	Alarm 4 status	E	
AlmSt5	ENS	Alarm 5 status	E	
AlmSt6	ENS	Alarm 6 status	E	
AlmSt7	ENS	Alarm 7 status	E	
AlmSt8	ENS	Alarm 8 status	E	
AlmSt9	ENS	Alarm 9 status	E	
AlmSt10	ENS	Alarm 10 status	E	
AlmSt11	ENS	Alarm 11 status	E	
AlmSt12	ENS	Alarm 12 status	E	
AlmSt13	ENS	Alarm 13 status	E	

CALH class				
Data object name	Common data class	Description	M/O/E	Remarks
AlmSt14	ENS	Alarm 14 status	E	
AlmSt15	ENS	Alarm 15 status	E	
AlmSt16	ENS	Alarm 16 status	E	
AlmSt17	ENS	Alarm 17 status	E	
AlmSt18	ENS	Alarm 18 status	E	
AlmSt19	ENS	Alarm 19 status	E	
AlmSt20	ENS	Alarm 20 status	E	
AlmSt21	ENS	Alarm 21 status	E	
AlmSt22	ENS	Alarm 22 status	E	
AlmSt23	ENS	Alarm 23 status	E	
AlmSt24	ENS	Alarm 24 status	E	
AlmSt25	ENS	Alarm 25 status	E	
AlmSt26	ENS	Alarm 26 status	E	
AlmSt27	ENS	Alarm 27 status	E	
AlmSt28	ENS	Alarm 28 status	E	
AlmSt29	ENS	Alarm 29 status	E	
AlmSt30	ENS	Alarm 30 status	E	
AlmSt31	ENS	Alarm 31 status	E	
AlmSt32	ENS	Alarm 32 status	E	
TripTotal	INS	Total trips	E	
TripNum	INS	Active trips	E	
TripGenSt	VSS	Trip status	E	
TripSt1	ENS	Trip status 1	E	
TripSt2	ENS	Trip status 2	E	
TripSt3	ENS	Trip status 3	E	
TripSt4	ENS	Trip status 4	E	
TripSt5	ENS	Trip status 5	E	
TripSt6	ENS	Trip status 6	E	
TripSt7	ENS	Trip status 7	E	
TripSt8	ENS	Trip status 8	E	
GrAlm	SPS	Any alarm	O	
Measurement and metered values				
Settings				
AlmSt1Cat	ENG	Alarm 1 category	E	
AlmSt2Cat	ENG	Alarm 2 category	E	
AlmSt3Cat	ENG	Alarm 3 category	E	
AlmSt4Cat	ENG	Alarm 4 category	E	
AlmSt5Cat	ENG	Alarm 5 category	E	
AlmSt6Cat	ENG	Alarm 6 category	E	
AlmSt7Cat	ENG	Alarm 7 category	E	
AlmSt8Cat	ENG	Alarm 8 category	E	
AlmSt9Cat	ENG	Alarm 9 category	E	

CALH class				
Data object name	Common data class	Description	M/O/E	Remarks
AlmSt10Cat	ENG	Alarm 10 category	E	
AlmSt11Cat	ENG	Alarm 11 category	E	
AlmSt12Cat	ENG	Alarm 12 category	E	
AlmSt13Cat	ENG	Alarm 13 category	E	
AlmSt14Cat	ENG	Alarm 14 category	E	
AlmSt15Cat	ENG	Alarm 15 category	E	
AlmSt16Cat	ENG	Alarm 16 category	E	
AlmSt17Cat	ENG	Alarm 17 category	E	
AlmSt18Cat	ENG	Alarm 18 category	E	
AlmSt19Cat	ENG	Alarm 19 category	E	
AlmSt20Cat	ENG	Alarm 20 category	E	
AlmSt21Cat	ENG	Alarm 21 category	E	
AlmSt22Cat	ENG	Alarm 22 category	E	
AlmSt23Cat	ENG	Alarm 23 category	E	
AlmSt24Cat	ENG	Alarm 24 category	E	
AlmSt25Cat	ENG	Alarm 25 category	E	
AlmSt26Cat	ENG	Alarm 26 category	E	
AlmSt27Cat	ENG	Alarm 27 category	E	
AlmSt28Cat	ENG	Alarm 28 category	E	
AlmSt29Cat	ENG	Alarm 29 category	E	
AlmSt30Cat	ENG	Alarm 30 category	E	
AlmSt31Cat	ENG	Alarm 31 category	E	
AlmSt32Cat	ENG	Alarm 32 category	E	
AlmSt1Sev	ENG	Alarm 1 severity	E	
AlmSt2Sev	ENG	Alarm 2 severity	E	
AlmSt3Sev	ENG	Alarm 3 severity	E	
AlmSt4Sev	ENG	Alarm 4 severity	E	
AlmSt5Sev	ENG	Alarm 5 severity	E	
AlmSt6Sev	ENG	Alarm 6 severity	E	
AlmSt7Sev	ENG	Alarm 7 severity	E	
AlmSt8Sev	ENG	Alarm 8 severity	E	
AlmSt9Sev	ENG	Alarm 9 severity	E	
AlmSt10Sev	ENG	Alarm 10 severity	E	
AlmSt11Sev	ENG	Alarm 11 severity	E	
AlmSt12Sev	ENG	Alarm 12 severity	E	
AlmSt13Sev	ENG	Alarm 13 severity	E	
AlmSt14Sev	ENG	Alarm 14 severity	E	
AlmSt15Sev	ENG	Alarm 15 severity	E	
AlmSt16Sev	ENG	Alarm 16 severity	E	
AlmSt17Sev	ENG	Alarm 17 severity	E	
AlmSt18Sev	ENG	Alarm 18 severity	E	

CALH class				
Data object name	Common data class	Description	M/O/E	Remarks
AlmSt19Sev	ENG	Alarm 19 severity	E	
AlmSt20Sev	ENG	Alarm 20 severity	E	
AlmSt21Sev	ENG	Alarm 21 severity	E	
AlmSt22Sev	ENG	Alarm 22 severity	E	
AlmSt23Sev	ENG	Alarm 23 severity	E	
AlmSt24Sev	ENG	Alarm 24 severity	E	
AlmSt25Sev	ENG	Alarm 25 severity	E	
AlmSt26Sev	ENG	Alarm 26 severity	E	
AlmSt27Sev	ENG	Alarm 27 severity	E	
AlmSt28Sev	ENG	Alarm 28 severity	E	
AlmSt29Sev	ENG	Alarm 29 severity	E	
AlmSt30Sev	ENG	Alarm 30 severity	E	
AlmSt31Sev	ENG	Alarm 31 severity	E	
AlmSt32Sev	ENG	Alarm 32 severity	E	
AlmSt1Lat	SPG	Alarm 1 latch	E	
AlmSt2Lat	SPG	Alarm 2 latch	E	
AlmSt3Lat	SPG	Alarm 3 latch	E	
AlmSt4Lat	SPG	Alarm 4 latch	E	
AlmSt5Lat	SPG	Alarm 5 latch	E	
AlmSt6Lat	SPG	Alarm 6 latch	E	
AlmSt7Lat	SPG	Alarm 7 latch	E	
AlmSt8Lat	SPG	Alarm 8 latch	E	
AlmSt9Lat	SPG	Alarm 9 latch	E	
AlmSt10Lat	SPG	Alarm 10 latch	E	
AlmSt11Lat	SPG	Alarm 11 latch	E	
AlmSt12Lat	SPG	Alarm 12 latch	E	
AlmSt13Lat	SPG	Alarm 13 latch	E	
AlmSt14Lat	SPG	Alarm 14 latch	E	
AlmSt15Lat	SPG	Alarm 15 latch	E	
AlmSt16Lat	SPG	Alarm 16 latch	E	
AlmSt17Lat	SPG	Alarm 17 latch	E	
AlmSt18Lat	SPG	Alarm 18 latch	E	
AlmSt19Lat	SPG	Alarm 19 latch	E	
AlmSt20Lat	SPG	Alarm 20 latch	E	
AlmSt21Lat	SPG	Alarm 21 latch	E	
AlmSt22Lat	SPG	Alarm 22 latch	E	
AlmSt23Lat	SPG	Alarm 23 latch	E	
AlmSt24Lat	SPG	Alarm 24 latch	E	
AlmSt25Lat	SPG	Alarm 25 latch	E	
AlmSt26Lat	SPG	Alarm 26 latch	E	
AlmSt27Lat	SPG	Alarm 27 latch	E	
AlmSt28Lat	SPG	Alarm 28 latch	E	
AlmSt29Lat	SPG	Alarm 29 latch	E	

CALH class				
Data object name	Common data class	Description	M/O/E	Remarks
AlmSt30Lat	SPG	Alarm 30 latch	E	
AlmSt31Lat	SPG	Alarm 31 latch	E	
AlmSt32Lat	SPG	Alarm 32 latch	E	
AlmSt1Lab	VSG	Alarm 1 label	E	
AlmSt2Lab	VSG	Alarm 2 label	E	
AlmSt3Lab	VSG	Alarm 3 label	E	
AlmSt4Lab	VSG	Alarm 4 label	E	
AlmSt5Lab	VSG	Alarm 5 label	E	
AlmSt6Lab	VSG	Alarm 6 label	E	
AlmSt7Lab	VSG	Alarm 7 label	E	
AlmSt8Lab	VSG	Alarm 8 label	E	
AlmSt9Lab	VSG	Alarm 9 label	E	
AlmSt10Lab	VSG	Alarm 10 label	E	
AlmSt11Lab	VSG	Alarm 11 label	E	
AlmSt12Lab	VSG	Alarm 12 label	E	
AlmSt13Lab	VSG	Alarm 13 label	E	
AlmSt14Lab	VSG	Alarm 14 label	E	
AlmSt15Lab	VSG	Alarm 15 label	E	
AlmSt16Lab	VSG	Alarm 16 label	E	
AlmSt17Lab	VSG	Alarm 17 label	E	
AlmSt18Lab	VSG	Alarm 18 label	E	
AlmSt19Lab	VSG	Alarm 19 label	E	
AlmSt20Lab	VSG	Alarm 20 label	E	
AlmSt21Lab	VSG	Alarm 21 label	E	
AlmSt22Lab	VSG	Alarm 22 label	E	
AlmSt23Lab	VSG	Alarm 23 label	E	
AlmSt24Lab	VSG	Alarm 24 label	E	
AlmSt25Lab	VSG	Alarm 25 label	E	
AlmSt26Lab	VSG	Alarm 26 label	E	
AlmSt27Lab	VSG	Alarm 27 label	E	
AlmSt28Lab	VSG	Alarm 28 label	E	
AlmSt29Lab	VSG	Alarm 29 label	E	
AlmSt30Lab	VSG	Alarm 30 label	E	
AlmSt31Lab	VSG	Alarm 31 label	E	
AlmSt32Lab	VSG	Alarm 32 label	E	

LN Type: SE_CSWI_STANDARD_PowerLogic_V003

Description: Switch controller

CSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_CSWI_STANDARD_PowerLogic_V003		Switch controller	M	
Data Objects				
Common Logical Node Information				

CSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Loc	SPS	Local	O	
SwModKeyVal	SPS	LB latch	E	
OpCls	ACT	Close signal	O	
OpOpn	ACT	Open signal	O	
CtlPrg	SPS	Control in progress	E	
CmdBlkVal	SPS	OB latch	E	
ManCmdBlk	SPS	Manual ops blocked	E	
Blk	SPS	Blocked	O	
Measurement and metered values				
Settings				
CBPosSup	ENG	Position filter	E	
SynChkEna	ENG	Synchrocheck	E	
SyncTmms	ING	Synchrocheck timeout	E	

LN Type: SE_CSWI_SWITCH_PowerLogic_V003

Description: Switch controller

CSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_CSWI_SWITCH_PowerLogic_V003		Switch controller	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Loc	SPS	Local	O	
SwModKeyVal	SPS	LB latch	E	
OpCls	ACT	Close signal	O	
OpOpn	ACT	Open signal	O	
CtlPrg	SPS	Control in progress	E	
CmdBlkVal	SPS	OB latch	E	
ManCmdBlk	SPS	Manual ops blocked	E	
Blk	SPS	Blocked	O	
Measurement and metered values				
Settings				
SWPosSup	ENG	Position filter	E	

LN Type: SE_GAPC_CONTROLINPUT_PowerLogic_V001

Description: Generic automatic process control

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_CONTROLINPUT_PowerLogic_V001		Generic automatic process control	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
Settings				
CtlLab01	VSG	CI1 label	E	
CtlLab02	VSG	CI2 label	E	
CtlLab03	VSG	CI3 label	E	
CtlLab04	VSG	CI4 label	E	
CtlLab05	VSG	CI5 label	E	
CtlLab06	VSG	CI6 label	E	
CtlLab07	VSG	CI7 label	E	
CtlLab08	VSG	CI8 label	E	
CtlLab09	VSG	CI9 label	E	
CtlLab10	VSG	CI10 label	E	
CtlLab11	VSG	CI11 label	E	
CtlLab12	VSG	CI12 label	E	
CtlLab13	VSG	CI13 label	E	
CtlLab14	VSG	CI14 label	E	
CtlLab15	VSG	CI15 label	E	
CtlLab16	VSG	CI16 label	E	
CtlLab17	VSG	CI17 label	E	
CtlLab18	VSG	CI18 label	E	
CtlLab19	VSG	CI19 label	E	
CtlLab20	VSG	CI20 label	E	
CtlLab21	VSG	CI21 label	E	
CtlLab22	VSG	CI22 label	E	
CtlLab23	VSG	CI23 label	E	
CtlLab24	VSG	CI24 label	E	
CtlLab25	VSG	CI25 label	E	
CtlLab26	VSG	CI26 label	E	
CtlLab27	VSG	CI27 label	E	
CtlLab28	VSG	CI28 label	E	
CtlLab29	VSG	CI29 label	E	
CtlLab30	VSG	CI30 label	E	
CtlLab31	VSG	CI31 label	E	
CtlLab32	VSG	CI32 label	E	
CtlLab33	VSG	CI33 label	E	
CtlLab34	VSG	CI34 label	E	
CtlLab35	VSG	CI35 label	E	

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
CtlLab36	VSG	CI36 label	E	
CtlLab37	VSG	CI37 label	E	
CtlLab38	VSG	CI38 label	E	
CtlLab39	VSG	CI39 label	E	
CtlLab40	VSG	CI40 label	E	
CtlLab41	VSG	CI41 label	E	
CtlLab42	VSG	CI42 label	E	
CtlLab43	VSG	CI43 label	E	
CtlLab44	VSG	CI44 label	E	
CtlLab45	VSG	CI45 label	E	
CtlLab46	VSG	CI46 label	E	
CtlLab47	VSG	CI47 label	E	
CtlLab48	VSG	CI48 label	E	
CtlLab49	VSG	CI49 label	E	
CtlLab50	VSG	CI50 label	E	
CtlLab51	VSG	CI51 label	E	
CtlLab52	VSG	CI52 label	E	
CtlLab53	VSG	CI53 label	E	
CtlLab54	VSG	CI54 label	E	
CtlLab55	VSG	CI55 label	E	
CtlLab56	VSG	CI56 label	E	
CtlLab57	VSG	CI57 label	E	
CtlLab58	VSG	CI58 label	E	
CtlLab59	VSG	CI59 label	E	
CtlLab60	VSG	CI60 label	E	
CtlLab61	VSG	CI61 label	E	
CtlLab62	VSG	CI62 label	E	
CtlLab63	VSG	CI63 label	E	
CtlLab64	VSG	CI64 label	E	

LN Type: SE_GAPC_LOGICMODEL_PowerLogic_V001

Description: Generic automatic process control

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_LOGICMODEL_PowerLogic_V001		Generic automatic process control	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
LogOut1	SPS	Logic output 1	E	
LogOut2	SPS	Logic output 2	E	
LogOut3	SPS	Logic output 3	E	

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
LogOut4	SPS	Logic output 4	E	
LogOut5	SPS	Logic output 5	E	
LogOut6	SPS	Logic output 6	E	
LogOut7	SPS	Logic output 7	E	
LogOut8	SPS	Logic output 8	E	
LogOut9	SPS	Logic output 9	E	
LogOut10	SPS	Logic output 10	E	
LogOut11	SPS	Logic output 11	E	
LogOut12	SPS	Logic output 12	E	
LogOut13	SPS	Logic output 13	E	
LogOut14	SPS	Logic output 14	E	
LogOut15	SPS	Logic output 15	E	
LogOut16	SPS	Logic output 16	E	
LogOut17	SPS	Logic output 17	E	
LogOut18	SPS	Logic output 18	E	
LogOut19	SPS	Logic output 19	E	
LogOut20	SPS	Logic output 20	E	
LogOut21	SPS	Logic output 21	E	
LogOut22	SPS	Logic output 22	E	
LogOut23	SPS	Logic output 23	E	
LogOut24	SPS	Logic output 24	E	
LogOut25	SPS	Logic output 25	E	
LogOut26	SPS	Logic output 26	E	
LogOut27	SPS	Logic output 27	E	
LogOut28	SPS	Logic output 28	E	
LogOut29	SPS	Logic output 29	E	
LogOut30	SPS	Logic output 30	E	
LogOut31	SPS	Logic output 31	E	
LogOut32	SPS	Logic output 32	E	
Measurement and metered values				
Settings				

LN Type: SE_GAPC_PLC_Template_PowerLogic_V001

Description: Generic automatic process control

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_PLC_Template_PowerLogic_V001		Generic automatic process control	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
Beh	ENS	Beh	M	
Status Information				
Blk	SPS	Blocked	O	
Ind1	SPS		E	
DpsPos1	DPS		O	
Str1	ACD		E	
Op1	ACT		E	
ValBCR1	BCR		E	
ValINS1	INS		E	
ValENS1	ENS		E	
StrVal1	ASG		O	
Measurement and metered values				
ValMV1	MV		O	
ValCMV1	CMV		E	
ValMVRg1	MV		O	
ValCMVRg1	CMV		E	
Settings				
BehPrePro	SPG	Multiple level control	E	
ValSPG1	SPG		E	
MaxDI1	ING		O	
StrVal1	ASG		O	

LN Type: SE_GAPC_POLDEA_PowerLogic_V001

Description: Generic automatic process control

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_POLDEA_PowerLogic_V001		Generic automatic process control	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
BayDead	SPS	Bay dead	E	
Measurement and metered values				
Settings				

LN Type: SE_GAPC_PROGSTAGE_PowerLogic_V001

Description: Programmable Stage

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_PROGSTAGE_PowerLogic_V001		Programmable Stage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
FixVal	ASG	Fixed value	E	
StrVal	ASG	Start value	O	
Hys	ASG	Hysteresis	E	
Measurement and metered values				
CalVal	MV	Calculated value	E	
FltCalVal	MV	Fault calculated value	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Operation mode	E	
Reference	ENG	Reference value	E	
FixVal	ASG	Fixed value	E	
StrMod	ENG	Start mode	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operation delay	E	
RsDITmms	ING	Reset delay	E	
Hys	ASG	Hysteresis	E	

LN Type: SE_GAPC_SOL_PowerLogic_V001

Description: Generic automatic process control

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_SOL_PowerLogic_V001		Generic automatic process control	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
SOLF	ACT	Forward block	E	
SOLR	ACT	Reverse block	E	
Blk	SPS	Blocked	O	
Measurement and metered values				

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
Settings				
SetMod	ENG	Function status	E	

LN Type: SE_GAPC_VFD_PowerLogic_V001

Description: Generic automatic process control

GAPC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GAPC_VFD_PowerLogic_V001		Generic automatic process control	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Mod	ENC	Mod	O	
Status Information				
Ind1	SPS	VFD Indication	O	
Measurement and metered values				
Settings				
SetMod	ENG	Function status	E	

LN Type: SE_GGIO_CLO_PowerLogic_V002

Description: Current loop output

GGIO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GGIO_CLO_PowerLogic_V002		Current loop output	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
EEHealth	ENS	CLIO health	O	
CLIOFail	ENS	mA output health	E	
Min	ASG	Input minimum	E	
Max	ASG	Input maximum	E	
Measurement and metered values				
InVal	MV	Input MV	E	
OutVal	MV	Calculated mA output	E	
Settings				
ChaStatus	ENG	Status	E	
Rtg	ENG	Range	E	
Min	ASG	Input minimum	E	

GGIO class				
Data object name	Common data class	Description	M/O/E	Remarks
Max	ASG	Input maximum	E	
CLLab	VSG	Label	E	

LN Type: SE_GGIO_DP_PowerLogic_V001

Description: Position indication

GGIO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GGIO_DP_PowerLogic_V001		Position indication	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
EEHealth	ENS	Equipment health	O	
Measurement and metered values				
Settings				
EELab	VSG	Name	E	
SetMod	ENG	Function status	E	

LN Type: SE_GLOG_GENRERAL_PowerLogic_V001

Description: Generic log

GLOG class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GLOG_GENRERAL_PowerLogic_V001		Generic log	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Mod	ENC	Mod	O	
Status Information				
SOEnum	INS	Total SOE	E	
OperLogNum	INS	Total operator records	E	
MaxSOE	INS	Max SOE	E	
MaxOperLog	INS	Max operator records	E	
OperStatus	ENS	Operation status	E	
OperAddcause	ENS	Operation addcause	E	
OperType	ENS	Operation type	E	
Measurement and metered values				
Settings				

LN Type: SE_GLOG_PQ_PowerLogic_V001

Description: Power quality records

GLOG class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GLOG_PQ_PowerLogic_V001		Power quality records	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Mod	ENC	Mod	O	
Status Information				
PQLogNum	INS	Number of records	E	
MaxPQLog	INS	Max PQ records	E	
Measurement and metered values				
Settings				

LN Type: SE_GLOG_TCR_PowerLogic_V001

Description: Fault records

GLOG class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GLOG_TCR_PowerLogic_V001		Fault records	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Mod	ENC	Mod	O	
Status Information				
FltNum	INS	Fault number	E	
FltTms	INS	Fault duration	E	
MaxFltRcd	INS	Max fault records	E	
Measurement and metered values				
Settings				

LN Type: SE_GLOG_TR_PowerLogic_V001

Description: Trigger record

GLOG class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_GLOG_TR_PowerLogic_V001		Trigger record	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
TrStr	SPS	Recording started	E	
TrMade	SPS	Recording made	E	

GLOG class				
Data object name	Common data class	Description	M/O/E	Remarks
TrNum	INS	Number of records	E	
StartRec	INS	Start Record	E	
ClearRec	INS	Clear Record	E	
Measurement and metered values				
TrTms	MV	Max record time	E	
Settings				
SetMod	ENG	Function status	E	
PreTmms	ING	Pre-trigger time	E	
PstTmms	ING	Post-trigger time	E	
PulTmms	ING	Max pulse time	E	
ReTrgModEx	ENG	Re-trigger mode	E	
IntvalSamp	ING	Sample period	E	
ComtradRev	ENG	COMTRADE file revision	E	
ComtradFmt	ENG	Analogue data format	E	

LN Type: SE_IHMI_LED_PowerLogic_V001

Description: Human machine interface

IHMI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_IHMI_LED_PowerLogic_V001		Human machine interface	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
LEDTotal	INS	Total LEDs	E	
LEDGenSt	VSS	LED status	E	
LED1	ENS	LED1 status	E	
LED2	ENS	LED2 status	E	
LED3	ENS	LED3 status	E	
LED4	ENS	LED4 status	E	
LED5	ENS	LED5 status	E	
LED6	ENS	LED6 status	E	
LED7	ENS	LED7 status	E	
LED8	ENS	LED8 status	E	
LED9	ENS	LED9 status	E	
LED10	ENS	LED10 status	E	
LED11	ENS	LED11 status	E	
LED12	ENS	LED12 status	E	
LED13	ENS	LED13 status	E	
LED14	ENS	LED14 status	E	
LED15	ENS	LED15 status	E	
LED16	ENS	LED16 status	E	

IHMI class				
Data object name	Common data class	Description	M/O/E	Remarks
LED17	ENS	LED17 status	E	
LED18	ENS	LED18 status	E	
LED19	ENS	LED19 status	E	
LED20	ENS	LED20 status	E	
LED21	ENS	LED21 status	E	
LED22	ENS	LED22 status	E	
LED23	ENS	LED23 status	E	
LED24	ENS	LED24 status	E	
Measurement and metered values				
Settings				
LEDLat1	SPG	LED1 latch	E	
LEDLat2	SPG	LED2 latch	E	
LEDLat3	SPG	LED3 latch	E	
LEDLat4	SPG	LED4 latch	E	
LEDLat5	SPG	LED5 latch	E	
LEDLat6	SPG	LED6 latch	E	
LEDLat7	SPG	LED7 latch	E	
LEDLat8	SPG	LED8 latch	E	
LEDLat9	SPG	LED9 latch	E	
LEDLat10	SPG	LED10 latch	E	
LEDLat11	SPG	LED11 latch	E	
LEDLat12	SPG	LED12 latch	E	
LEDLat13	SPG	LED13 latch	E	
LEDLat14	SPG	LED14 latch	E	
LEDLat15	SPG	LED15 latch	E	
LEDLat16	SPG	LED16 latch	E	
LEDLat17	SPG	LED17 latch	E	
LEDLat18	SPG	LED18 latch	E	
LEDLat19	SPG	LED19 latch	E	
LEDLat20	SPG	LED20 latch	E	
LEDLat21	SPG	LED21 latch	E	
LEDLat22	SPG	LED22 latch	E	
LEDLat23	SPG	LED23 latch	E	
LEDLat24	SPG	LED24 latch	E	
LEDFls1	SPG	LED1 flashing	E	
LEDFls2	SPG	LED2 flashing	E	
LEDFls3	SPG	LED3 flashing	E	
LEDFls4	SPG	LED4 flashing	E	
LEDFls5	SPG	LED5 flashing	E	
LEDFls6	SPG	LED6 flashing	E	
LEDFls7	SPG	LED7 flashing	E	
LEDFls8	SPG	LED8 flashing	E	
LEDFls9	SPG	LED9 flashing	E	
LEDFls10	SPG	LED10 flashing	E	

IHMI class				
Data object name	Common data class	Description	M/O/E	Remarks
LEDFls11	SPG	LED11 flashing	E	
LEDFls12	SPG	LED12 flashing	E	
LEDFls13	SPG	LED13 flashing	E	
LEDFls14	SPG	LED14 flashing	E	
LEDFls15	SPG	LED15 flashing	E	
LEDFls16	SPG	LED16 flashing	E	
LEDFls17	SPG	LED17 flashing	E	
LEDFls18	SPG	LED18 flashing	E	
LEDFls19	SPG	LED19 flashing	E	
LEDFls20	SPG	LED20 flashing	E	
LEDFls21	SPG	LED21 flashing	E	
LEDFls22	SPG	LED22 flashing	E	
LEDFls23	SPG	LED23 flashing	E	
LEDFls24	SPG	LED24 flashing	E	
LEDLab1	VSG	LED1 label	E	
LEDLab2	VSG	LED2 label	E	
LEDLab3	VSG	LED3 label	E	
LEDLab4	VSG	LED4 label	E	
LEDLab5	VSG	LED5 label	E	
LEDLab6	VSG	LED6 label	E	
LEDLab7	VSG	LED7 label	E	
LEDLab8	VSG	LED8 label	E	
LEDLab9	VSG	LED9 label	E	
LEDLab10	VSG	LED10 label	E	
LEDLab11	VSG	LED11 label	E	
LEDLab12	VSG	LED12 label	E	
LEDLab13	VSG	LED13 label	E	
LEDLab14	VSG	LED14 label	E	
LEDLab15	VSG	LED15 label	E	
LEDLab16	VSG	LED16 label	E	
LEDLab17	VSG	LED17 label	E	
LEDLab18	VSG	LED18 label	E	
LEDLab19	VSG	LED19 label	E	
LEDLab20	VSG	LED20 label	E	
LEDLab21	VSG	LED21 label	E	
LEDLab22	VSG	LED22 label	E	
LEDLab23	VSG	LED23 label	E	
LEDLab24	VSG	LED24 label	E	
LEDOncolr1	ENG	LED1 on color	E	
LEDOncolr2	ENG	LED2 on color	E	
LEDOncolr3	ENG	LED3 on color	E	
LEDOncolr4	ENG	LED4 on color	E	
LEDOncolr5	ENG	LED5 on color	E	

IHMI class				
Data object name	Common data class	Description	M/O/E	Remarks
LEDonColr6	ENG	LED6 on color	E	
LEDonColr7	ENG	LED7 on color	E	
LEDonColr8	ENG	LED8 on color	E	
LEDonColr9	ENG	LED9 on color	E	
LEDonColr10	ENG	LED10 on color	E	
LEDonColr11	ENG	LED11 on color	E	
LEDonColr12	ENG	LED12 on color	E	
LEDonColr13	ENG	LED13 on color	E	
LEDonColr14	ENG	LED14 on color	E	
LEDonColr15	ENG	LED15 on color	E	
LEDonColr16	ENG	LED16 on color	E	
LEDonColr17	ENG	LED17 on color	E	
LEDonColr18	ENG	LED18 on color	E	
LEDonColr19	ENG	LED19 on color	E	
LEDonColr20	ENG	LED20 on color	E	
LEDonColr21	ENG	LED21 on color	E	
LEDonColr22	ENG	LED22 on color	E	
LEDonColr23	ENG	LED23 on color	E	
LEDonColr24	ENG	LED24 on color	E	
LEDOffColr1	ENG	LED1 off color	E	
LEDOffColr2	ENG	LED2 off color	E	
LEDOffColr3	ENG	LED3 off color	E	
LEDOffColr4	ENG	LED4 off color	E	
LEDOffColr5	ENG	LED5 off color	E	
LEDOffColr6	ENG	LED6 off color	E	
LEDOffColr7	ENG	LED7 off color	E	
LEDOffColr8	ENG	LED8 off color	E	
LEDOffColr9	ENG	LED9 off color	E	
LEDOffColr10	ENG	LED10 off color	E	
LEDOffColr11	ENG	LED11 off color	E	
LEDOffColr12	ENG	LED12 off color	E	
LEDOffColr13	ENG	LED13 off color	E	
LEDOffColr14	ENG	LED14 off color	E	
LEDOffColr15	ENG	LED15 off color	E	
LEDOffColr16	ENG	LED16 off color	E	
LEDOffColr17	ENG	LED17 off color	E	
LEDOffColr18	ENG	LED18 off color	E	
LEDOffColr19	ENG	LED19 off color	E	
LEDOffColr20	ENG	LED20 off color	E	
LEDOffColr21	ENG	LED21 off color	E	
LEDOffColr22	ENG	LED22 off color	E	
LEDOffColr23	ENG	LED23 off color	E	
LEDOffColr24	ENG	LED24 off color	E	

LN Type: SE_IHMI_LOCAL_PowerLogic_V002

Description:

IHMI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_IHMI_LOCAL_PowerLogic_V002			M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
FK01	SPS	FK1 status	E	
FK02	SPS	FK2 status	E	
FK03	SPS	FK3 status	E	
FK04	SPS	FK4 status	E	
FK05	SPS	FK5 status	E	
FK06	SPS	FK6 status	E	
FK07	SPS	FK7 status	E	
FK08	SPS	FK8 status	E	
FK09	SPS	FK9 status	E	
FK10	SPS	FK10 status	E	
FK11	SPS	FK11 status	E	
FK12	SPS	FK12 status	E	
LocalKey	SPS	Local status	E	
Measurement and metered values				
Settings				
SwiColors	ENG	Switchgear control colors	E	
IconColors	ENG	Control icon colors	E	

LN Type: SE_ITCI_DNP_PowerLogic_V001**Description:** Telecontrol interface

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ITCI_DNP_PowerLogic_V001		Telecontrol interface	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
ActClient1	ENS	TCP client 1	E	
ActClient2	ENS	TCP client 2	E	
ActClient3	ENS	TCP client 3	E	
ActClient4	ENS	TCP client 4	E	
ActClient5	ENS	TCP client 5	E	
ActClient6	ENS	TCP client 6	E	
ActClient7	ENS	TCP client 7	E	

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
ActClient8	ENS	TCP client 8	E	
Measurement and metered values				
Settings				
TcpEna	ENG	TCP mode	E	
SerEna	ENG	Serial mode	E	
SlaveAddr	ING	Outstation address	E	
MasterAddr	ING	Master address	E	
ClientNum	ING	Max clients	E	
TcpLisPort	ING	TCP port	E	
LnkStatPrd	ING	Link status period	E	
LnkCfmMode	ENG	Link layer confirmation mode	E	
LnkCfmTmout	ING	Link layer confirmation timeout	E	
LnkCfmRtrCnt	ING	Max link layer retries	E	
ApplCfmTmout	ING	Application fragment timeout	E	
NdTmIntrvl	ING	Need time interval	E	
InterfrmGap	ING	Interframe gap	E	
SboTimeout	ING	SBO timeout	E	
FileTimeout	ING	File transfer timeout	E	
EventNum	ING	Event cache	E	
UnsolRespEna	ENG	Unsolicited response enabled	E	
EvtNumberC1	ING	Class1 event number	E	
EvtDelayC1	ING	Class1 event delay	E	
EvtNumberC2	ING	Class2 event number	E	
EvtDelayC2	ING	Class2 event delay	E	
EvtNumberC3	ING	Class3 event number	E	
EvtDelayC3	ING	Class3 event delay	E	
DefVarBI	ENG	Binary input	E	
DefVarBIEvt	ENG	Binary input event	E	
DefVarBO	ENG	Binary output	E	
DefVarDBI	ENG	Double-bit BI	E	
DefVarDBIEvt	ENG	Double-bit BI event	E	
DefVarCntr	ENG	Counter	E	
DefVarAI	ENG	Analog input	E	
DefVarAIEvt	ENG	Analog input event	E	

LN Type: SE_ITCI_MDB_PowerLogic_V001

Description: Telecontrol interface

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ITCI_MDB_PowerLogic_V001		Telecontrol interface	M	
Data Objects				
Common Logical Node Information				

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
ActClient1	ENS	TCP client 1	E	
ActClient2	ENS	TCP client 2	E	
ActClient3	ENS	TCP client 3	E	
ActClient4	ENS	TCP client 4	E	
ActClient5	ENS	TCP client 5	E	
ActClient6	ENS	TCP client 6	E	
ActClient7	ENS	TCP client 7	E	
ActClient8	ENS	TCP client 8	E	
Measurement and metered values				
Settings				
TcpEna	ENG	TCP mode	E	
SerEna	ENG	Serial mode	E	
SerDevAddr	ING	Server address	E	
ClientNum	ING	Max clients	E	
TcpLisPort	ING	TCP port	E	

LN Type: SE_ITCI_MMS_PowerLogic_V002

Description: Telecontrol interface

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ITCI_MMS_PowerLogic_V002		Telecontrol interface	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
ActClient1	ENS	Client 1 status	E	
ActClient2	ENS	Client 2 status	E	
ActClient3	ENS	Client 3 status	E	
ActClient4	ENS	Client 4 status	E	
ActClient5	ENS	Client 5 status	E	
ActClient6	ENS	Client 6 status	E	
ActClient7	ENS	Client 7 status	E	
ActClient8	ENS	Client 8 status	E	
ActClient9	ENS	Client 9 status	E	
ActClient10	ENS	Client 10 status	E	
ActClient11	ENS	Client 11 status	E	
ActClient12	ENS	Client 12 status	E	
ActClient13	ENS	Client 13 status	E	
ActClient14	ENS	Client 14 status	E	

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
ActClient15	ENS	Client 15 status	E	
ActClient16	ENS	Client 16 status	E	
Measurement and metered values				
Settings				
Ed2ClientCpt	ENG	Ed2.0 client compatible	E	

LN Type: SE_ITCI_T103_PowerLogic_V002

Description: Telecontrol interface for IEC103

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ITCI_T103_PowerLogic_V002		Telecontrol interface for IEC103	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
SigBlock	SPS	Sig block status	E	
CmdBlock	SPS	Cmd block status	E	
DeltaV	ASG	Voltage deadband	E	
DeltaI	ASG	Current deadband	E	
DeltaP	ASG	Power deadband	E	
DeltaF	ASG	Frequency deadband	E	
DeltaZ	ASG	Impedance deadband	E	
DeltaM	ASG	Other deadband	E	
Measurement and metered values				
Settings				
SerEna	ENG	Serial mode	E	
SlvNo	ING	Outstation address	E	
AckMode	ENG	Acknowledgement mode	E	
CycleTmm	ING	Class 2 cycle	E	
CycleEnergy	ING	Energy counter cycle	E	
DeltaV	ASG	Voltage deadband	E	
DeltaI	ASG	Current deadband	E	
DeltaP	ASG	Power deadband	E	
DeltaAng	ING	Angle deadband	E	
DeltaT	ING	Temperature deadband	E	
DeltaF	ASG	Frequency deadband	E	
DeltaZ	ASG	Impedance deadband	E	
DeltaM	ASG	Other deadband	E	

LN Type: SE_ITCI_T104_PowerLogic_V001

Description: Telecontrol interface for IEC104

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ITCI_T104_PowerLogic_V001		Telecontrol interface for IEC104	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
SigBlock	SPS	Sig block status	E	
CmdBlock	SPS	Cmd block status	E	
DeltaV	ASG	Voltage deadband	E	
DeltaI	ASG	Current deadband	E	
DeltaP	ASG	Power deadband	E	
DeltaF	ASG	Frequency deadband	E	
DeltaZ	ASG	Impedance deadband	E	
DeltaM	ASG	Other deadband	E	
ActClient1	ENS	TCP client 1	E	
ActClient2	ENS	TCP client 2	E	
ActClient3	ENS	TCP client 3	E	
ActClient4	ENS	TCP client 4	E	
ActClient5	ENS	TCP client 5	E	
ActClient6	ENS	TCP client 6	E	
ActClient7	ENS	TCP client 7	E	
ActClient8	ENS	TCP client 8	E	
Measurement and metered values				
Settings				
TcpEna	ENG	Tcp mode	E	
SlvNo	ING	Outstation address	E	
ClientNum	ING	Max clients	E	
TcpLisPort	ING	TCP port	E	
CycleTmm	ING	Cyclic data Timeout	E	
BgTmm	ING	background cyclic	E	
T1AckTm	ING	T1 Ack period	E	
T2SFrameTm	ING	T2 S Frame period	E	
T3TestTm	ING	T3 Test period	E	
KValue	ING	Max unack Tx APDUs	E	
WValue	ING	Max unack Rx APDUs	E	
NdTmIntrvl	ING	Need time interval	E	
SboTimeout	ING	SBO timeout	E	
EventNum	ING	Event cache	E	
CmdAge	ING	max Command Age	E	
DeltaV	ASG	Voltage deadband	E	
DeltaI	ASG	Current deadband	E	
DeltaP	ASG	Power deadband	E	

ITCI class				
Data object name	Common data class	Description	M/O/E	Remarks
DeltaAng	ING	Angle deadband	E	
DeltaT	ING	Temperature deadband	E	
DeltaF	ASG	Frequency deadband	E	
DeltaZ	ASG	Impedance deadband	E	
DeltaM	ASG	Other deadband	E	

LN Type: SE_LCCH_ETHRED_PowerLogic_V001

Description: Physical communication channel supervision

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LCCH_ETHRED_PowerLogic_V001		Physical communication channel supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Health	ENS	Health	O	
Status Information				
ChLiv	SPS	Port 2 connected	M	
RedChLiv	SPS	Port 3 connected	O	
PortID	VSS	Port Id	E	
MacAddr	VSS	MAC address	E	
ERxCnt	BCR	RX packages	E	
ETxCnt	BCR	TX packages	E	
FailoverPort	ENS	Active port in Failover	E	
NodeType	ENS	Redundant node type	E	
Version	VSS	FPGA brick version	E	
SuperFrame	ENS	Supervision frame status	E	
TrsptRecp	ENS	RCT retained in PRP frame	E	
AcceptAll	ENS	Promiscuous mode	E	
P1State	ENS	RSTP port 2 state	E	
P1Role	ENS	RSTP port 2 role	E	
P2State	ENS	RSTP port 3 state	E	
P2Role	ENS	RSTP port 3 role	E	
Measurement and metered values				
FailoverTime	MV	Timeout in Failover	E	
ChkInterval	MV	Life check interval	E	
ForgetTime	MV	Entry forget time	E	
AgeingTime	MV	Ageing time	E	
Settings				
PortEna	ENG	Port status	E	
IpAddr	VSG	IP address	E	

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
IpMsk	VSG	Subnet mask	E	
RedMod	ENG	Redundancy mode	E	
RouteEna	ENG	Gateway access	E	
IpGtw	VSG	Gateway address	E	
DstNetIP1	VSG	Destination network IP address 1	E	
DstNetmask1	VSG	Dest network IP subnet mask 1	E	
DstNetIP2	VSG	Destination network IP address 2	E	
DstNetmask2	VSG	Dest network IP subnet mask 2	E	
IPFtrEna	ENG	IP filter status	E	
IPFtr1Addr	VSG	IP filter 1 address	E	
IPFtr1CIDR	ENG	IP filter 1 CIDR	E	
IPFtr1Ena	ENG	IP filter 1	E	
IPFtr2Addr	VSG	IP filter 2 address	E	
IPFtr2CIDR	ENG	IP filter 2 CIDR	E	
IPFtr2Ena	ENG	IP filter 2	E	
IPFtr3Addr	VSG	IP filter 3 address	E	
IPFtr3CIDR	ENG	IP filter 3 CIDR	E	
IPFtr3Ena	ENG	IP filter 3	E	
IPFtr4Addr	VSG	IP filter 4 address	E	
IPFtr4CIDR	ENG	IP filter 4 CIDR	E	
IPFtr4Ena	ENG	IP filter 4	E	
IPFtr5Addr	VSG	IP filter 5 address	E	
IPFtr5CIDR	ENG	IP filter 5 CIDR	E	
IPFtr5Ena	ENG	IP filter 5	E	
IPFtr6Addr	VSG	IP filter 6 address	E	
IPFtr6CIDR	ENG	IP filter 6 CIDR	E	
IPFtr6Ena	ENG	IP filter 6	E	
IPFtr7Addr	VSG	IP filter 7 address	E	
IPFtr7CIDR	ENG	IP filter 7 CIDR	E	
IPFtr7Ena	ENG	IP filter 7	E	
IPFtr8Addr	VSG	IP filter 8 address	E	
IPFtr8CIDR	ENG	IP filter 8 CIDR	E	
IPFtr8Ena	ENG	IP filter 8	E	
VlanEna	ENG	VLAN status	E	
Vlan1Id	ING	VLAN 1 Id	E	
Vlan1Ip	VSG	VLAN 1 IP address	E	
Vlan1IpMsk	VSG	VLAN 1 subnet mask	E	
Vlan1IpBcast	VSG	VLAN 1 broadcast	E	
Vlan2Id	ING	VLAN 2 Id	E	
Vlan2Ip	VSG	VLAN 2 IP address	E	
Vlan2IpMsk	VSG	VLAN 2 subnet mask	E	
Vlan2IpBcast	VSG	VLAN 2 broadcast	E	
Vlan3Id	ING	VLAN 3 Id	E	
Vlan3Ip	VSG	VLAN 3 IP address	E	

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
Vlan3IpMsk	VSG	VLAN 3 subnet mask	E	
Vlan3IpBcast	VSG	VLAN 3 broadcast	E	
Vlan4Id	ING	VLAN 4 Id	E	
Vlan4Ip	VSG	VLAN 4 IP address	E	
Vlan4IpMsk	VSG	VLAN 4 subnet mask	E	
Vlan4IpBcast	VSG	VLAN 4 broadcast	E	
IECSPHyEna	ENG	IEC 61850 status	E	
SNTPPhyEna	ENG	SNTP status	E	
SNTPVlan1Ena	ENG	VLAN 1 SNTP status	E	
SNTPVlan2Ena	ENG	VLAN 2 SNTP status	E	
SNTPVlan3Ena	ENG	VLAN 3 SNTP status	E	
SNTPVlan4Ena	ENG	VLAN 4 SNTP status	E	
MdbSPHyEna	ENG	Modbus status	E	
MdbSVlan1Ena	ENG	VLAN 1 Modbus status	E	
MdbSVlan2Ena	ENG	VLAN 2 Modbus status	E	
MdbSVlan3Ena	ENG	VLAN 3 Modbus status	E	
MdbSVlan4Ena	ENG	VLAN 4 Modbus status	E	
DNP3PhyEna	ENG	DNP3 status	E	
DNP3Vlan1Ena	ENG	VLAN 1 DNP3 status	E	
DNP3Vlan2Ena	ENG	VLAN 2 DNP3 status	E	
DNP3Vlan3Ena	ENG	VLAN 3 DNP3 status	E	
DNP3Vlan4Ena	ENG	VLAN 4 DNP3 status	E	
WSPHyEna	ENG	Webserver status	E	
WSVlan1Ena	ENG	VLAN 1 webserver status	E	
WSVlan2Ena	ENG	VLAN 2 webserver status	E	
WSVlan3Ena	ENG	VLAN 3 webserver status	E	
WSVlan4Ena	ENG	VLAN 4 webserver status	E	
SNMPPHyEna	ENG	SNMP status	E	
SFTPPHyEna	ENG	SFTP status	E	
BridgePrio	ING	Bridge priority	E	
HelloTime	ING	Hello time	E	
MaxAge	ING	Max age	E	
FwdDelay	ING	Forward delay	E	
P1PathCost	ING	Port 2 path cost	E	
P1Priority	ING	Port 2 priority	E	
P2PathCost	ING	Port 3 path cost	E	
P2Priority	ING	Port 3 priority	E	

LN Type: SE_LCCH_ETH_PowerLogic_V001

Description: Physical communication channel supervision

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LCCH_ETH_PowerLogic_V001		Physical communication channel supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Health	ENS	Health	O	
Status Information				
ChLiv	SPS	Connected	M	
PortID	VSS	Port Id	E	
MacAddr	VSS	MAC address	E	
ERxCnt	BCR	Packages received	E	
ETxCnt	BCR	Packages transmitted	E	
Measurement and metered values				
Settings				
PortEna	ENG	Port status	E	
IpAddr	VSG	IP address	E	
IpMsk	VSG	Subnet mask	E	
RouteEna	ENG	Gateway access	E	
IpGtw	VSG	Gateway address	E	
DstNetIP1	VSG	Destination network IP address 1	E	
DstNetmask1	VSG	Dest network IP subnet mask 1	E	
DstNetIP2	VSG	Destination network IP address 2	E	
DstNetmask2	VSG	Dest network IP subnet mask 2	E	
IPFtrEna	ENG	IP filter status	E	
IPFtr1Addr	VSG	IP filter 1 address	E	
IPFtr1CIDR	ENG	IP filter 1 CIDR	E	
IPFtr1Ena	ENG	IP filter 1	E	
IPFtr2Addr	VSG	IP filter 2 address	E	
IPFtr2CIDR	ENG	IP filter 2 CIDR	E	
IPFtr2Ena	ENG	IP filter 2	E	
IPFtr3Addr	VSG	IP filter 3 address	E	
IPFtr3CIDR	ENG	IP filter 3 CIDR	E	
IPFtr3Ena	ENG	IP filter 3	E	
IPFtr4Addr	VSG	IP filter 4 address	E	
IPFtr4CIDR	ENG	IP filter 4 CIDR	E	
IPFtr4Ena	ENG	IP filter 4	E	
IPFtr5Addr	VSG	IP filter 5 address	E	
IPFtr5CIDR	ENG	IP filter 5 CIDR	E	
IPFtr5Ena	ENG	IP filter 5	E	
IPFtr6Addr	VSG	IP filter 6 address	E	
IPFtr6CIDR	ENG	IP filter 6 CIDR	E	
IPFtr6Ena	ENG	IP filter 6	E	
IPFtr7Addr	VSG	IP filter 7 address	E	

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
IPFitr7CIDR	ENG	IP filter 7 CIDR	E	
IPFitr7Ena	ENG	IP filter 7	E	
IPFitr8Addr	VSG	IP filter 8 address	E	
IPFitr8CIDR	ENG	IP filter 8 CIDR	E	
IPFitr8Ena	ENG	IP filter 8	E	
VlanEna	ENG	VLAN status	E	
Vlan1Id	ING	VLAN 1 Id	E	
Vlan1Ip	VSG	VLAN 1 IP address	E	
Vlan1IpMsk	VSG	VLAN 1 subnet mask	E	
Vlan1IpBcast	VSG	VLAN 1 broadcast	E	
Vlan2Id	ING	VLAN 2 Id	E	
Vlan2Ip	VSG	VLAN 2 IP address	E	
Vlan2IpMsk	VSG	VLAN 2 subnet mask	E	
Vlan2IpBcast	VSG	VLAN 2 broadcast	E	
Vlan3Id	ING	VLAN 3 Id	E	
Vlan3Ip	VSG	VLAN 3 IP address	E	
Vlan3IpMsk	VSG	VLAN 3 subnet mask	E	
Vlan3IpBcast	VSG	VLAN 3 broadcast	E	
Vlan4Id	ING	VLAN 4 Id	E	
Vlan4Ip	VSG	VLAN 4 IP address	E	
Vlan4IpMsk	VSG	VLAN 4 subnet mask	E	
Vlan4IpBcast	VSG	VLAN 4 broadcast	E	
IECSPhyEna	ENG	IEC 61850 status	E	
SNTPPhyEna	ENG	SNTP status	E	
SNTPVlan1Ena	ENG	VLAN 1 SNTP status	E	
SNTPVlan2Ena	ENG	VLAN 2 SNTP status	E	
SNTPVlan3Ena	ENG	VLAN 3 SNTP status	E	
SNTPVlan4Ena	ENG	VLAN 4 SNTP status	E	
MdbSPhyEna	ENG	Modbus status	E	
MdbSVlan1Ena	ENG	VLAN 1 Modbus status	E	
MdbSVlan2Ena	ENG	VLAN 2 Modbus status	E	
MdbSVlan3Ena	ENG	VLAN 3 Modbus status	E	
MdbSVlan4Ena	ENG	VLAN 4 Modbus status	E	
DNP3PhyEna	ENG	DNP3 status	E	
DNP3Vlan1Ena	ENG	VLAN 1 DNP3 status	E	
DNP3Vlan2Ena	ENG	VLAN 2 DNP3 status	E	
DNP3Vlan3Ena	ENG	VLAN 3 DNP3 status	E	
DNP3Vlan4Ena	ENG	VLAN 4 DNP3 status	E	
WSPhyEna	ENG	Web server status	E	
WSVlan1Ena	ENG	VLAN 1 webserver status	E	
WSVlan2Ena	ENG	VLAN 2 webserver status	E	
WSVlan3Ena	ENG	VLAN 3 webserver status	E	
WSVlan4Ena	ENG	VLAN 4 webserver status	E	

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
SNMPPhyEna	ENG	SNMP status	E	
SFTPPhyEna	ENG	SFTP status	E	

LN Type: SE_LCCH_SER_PowerLogic_V001

Description: Physical communication channel supervision

LCCH class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LCCH_SER_PowerLogic_V001		Physical communication channel supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Health	ENS	Health	O	
Status Information				
Protocol	ENS	Protocol	E	
ChLiv	SPS	Connected	M	
RxCnt	BCR	Messages received	O	
TxCnt	BCR	Messages transmitted	O	
Measurement and metered values				
Settings				
LnkSpd	ENG	Baud rate	E	
FrmPar	ENG	Parity	E	
StopBitNum	ING	Number of stop bits	E	

LN Type: SE_LGOS_STD_PowerLogic_V001

Description: GOOSE subscription

LGOS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LGOS_STD_PowerLogic_V001		GOOSE subscription	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Health	ENS	Health	O	
Status Information				
NdsCom	SPS	Needs commissioning	O	
St	SPS	Subscription active	M	
SimSt	SPS	Simulation active	O	
RxRate	INS	GOOSE Rx rate	E	
ErrCnt	BCR	Mismatched GOOSE count	E	

LGOS class				
Data object name	Common data class	Description	M/O/E	Remarks
Measurement and metered values				
Settings				

LN Type: SE_LLNO_BAYLD_PowerLogic_V003

Description: Logical node zero

LLNO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LLNO_BAYLD_PowerLogic_V003		Logical node zero	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Health	ENS	Health	O	
Mod	ENC	Mod	O	
Status Information				
Loc	SPS	Local	O	
LocKey	SPS	Local input status	O	
LocInd	SPS	Local control active	E	
RemInd	SPS	Remote control active	E	
CtlPrg	SPS	Control in progress	E	
ExtCtlPrg	SPS	External operation	E	
CmdBlkVal	SPS	OB latch	E	
SwModKeyVal	SPS	LB latch	E	
ActSetGrp1	SPS	SG1 active	E	
ActSetGrp2	SPS	SG2 active	E	
ActSetGrp3	SPS	SG3 active	E	
ActSetGrp4	SPS	SG4 active	E	
ActSetGrp5	SPS	SG5 active	E	
ActSetGrp6	SPS	SG6 active	E	
ActSetGrp7	SPS	SG7 active	E	
ActSetGrp8	SPS	SG8 active	E	
BlkActSG	SPS	Group change blocked	E	
ActSGMatrix	ENS	Group change matrix inputs	E	
LocStaVal	SPS	SL latch	E	
InTestMode	SPS	In test mode	E	
Measurement and metered values				
Settings				
MltLev	SPG	Multiple level control	O	
MltOp	SPG	Multiple operation	E	

LN Type: SE_LLNO_LD0_PowerLogic_V002

Description: Logical node zero

LLN0 class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LLNO_LD0_PowerLogic_V002		Logical node zero	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Health	ENS	Health	O	
Mod	ENC	Mod	O	
Status Information				
UpgradeSt	ENS	Upgrade status	E	
CnfChange	SPS	Setting change	E	
InTestMode	SPS	In test mode	E	
Measurement and metered values				
Settings				
IntrfNo	ENG	Comms capture interface	E	
Protocol	ENG	Protocol captured	E	
RecordTime	ING	Comms capture time	E	
BlkRemHttps	ENG	Remote PLES setting block	E	
BlkRemComm	ENG	Comms setting block	E	

LN Type: SE_LPHD_LD0_PowerLogic_V002

Description: Physical device information

LPHD class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LPHD_LD0_PowerLogic_V002		Physical device information	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Status Information				
IedMode	ENS	IED mode	E	
PhyHealth	ENS	Device health	M	
Proxy	SPS	Proxy status	M	
OpMod	ENS	Operating mode	E	
InstallModel	VSS	Installed product code	E	
SysVer	VSS	System version	E	
AppVer	VSS	Build version	E	
HMIPltVer	VSS	HMI platform version	E	
HMIAppVer	VSS	HMI application version	E	
HMIType	ENS	HMI Type	E	
SlotHlthA	ENS	Slot A health	E	
SlotHlthB	ENS	Slot B health	E	
SlotHlthC	ENS	Slot C health	E	

LPHD class				
Data object name	Common data class	Description	M/O/E	Remarks
SlotHlthD	ENS	Slot D health	E	
SlotHlthE	ENS	Slot E health	E	
SlotHlthF	ENS	Slot F health	E	
SlotHlthG	ENS	Slot G health	E	
SlotHlthH	ENS	Slot H health	E	
SlotHlthI	ENS	Slot I health	E	
SlotHlthJ	ENS	Slot J health	E	
SlotHlthK	ENS	Slot K health	E	
SlotHlthL	ENS	Slot L health	E	
SlotHlthM	ENS	Slot M health	E	
SlotHlthN	ENS	Slot N health	E	
SlotHlthO	ENS	Slot O health	E	
SlotHlthP	ENS	Slot P health	E	
SlotHlthQ	ENS	Slot Q health	E	
SlotHlthY	ENS	Slot Y health	E	
SlotHlthZ	ENS	Slot Z health	E	
FWHlth1	ENS	FW 1 health	E	
FWHlth2	ENS	FW 2 health	E	
FWHlth3	ENS	FW 3 health	E	
FWHlth4	ENS	FW 4 health	E	
FWHlth5	ENS	FW 5 health	E	
FWHlth6	ENS	FW 6 health	E	
FWHlth7	ENS	FW 7 health	E	
FWHlth8	ENS	FW 8 health	E	
FWHlth9	ENS	FW 9 health	E	
FWHlth10	ENS	FW 10 health	E	
FWHlth11	ENS	FW 11 health	E	
FWHlth12	ENS	FW 12 health	E	
FWHlth13	ENS	FW 13 health	E	
FWHlth14	ENS	FW 14 health	E	
FWHlth15	ENS	FW 15 health	E	
FWHlth16	ENS	FW 16 health	E	
PTFWHlth1	ENS	PTFW 1 health	E	
PTFWHlth2	ENS	PTFW 2 health	E	
PTFWHlth3	ENS	PTFW 3 health	E	
PTFWHlth4	ENS	PTFW 4 health	E	
PTFWHlth5	ENS	PTFW 5 health	E	
NumPwrUp	INS	Number of power-ups	O	
MaintLED	ENS	Maint LED status	O	
BuildTime	VSS	Build time	E	
Measurement and metered values				
Settings				
DevName	VSG	Device name	E	
LangLED	ENG	Device language	E	

LPHD class				
Data object name	Common data class	Description	M/O/E	Remarks
LCDBcklght	ENG	Screen backlight	E	
LCDTimeout	ENG	Screen timeout	E	
SVMxDI	ING	SV max delay	E	
SVSynVld	SPG	SV sync validation	E	

LN Type: SE_LSVS_PowerLogic_V001

Description: SV subscription supervision

LSVS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LSVS_PowerLogic_V001		SV subscription supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
St	SPS	Subscription active	M	
SimSt	SPS	Simulation active	O	
TmSyn	ENS	Publisher sync level	E	
TmSynLkd	ENS	Relative sync	E	
Measurement and metered values				
Settings				

LN Type: SE_LTIM_STD_PowerLogic_V001

Description: Time management

LTIM class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LTIM_STD_PowerLogic_V001		Time management	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
TmDT	SPS	DST active	M	
Measurement and metered values				
Settings				
TmLocTmEna	ENG	Enable local timezone	E	
TmOfsTmm	ING	Time offset from UTC	M	
TmUseDT	SPG	Daylight savings time	M	
DSTBgnWk	ENG	DST begin week	E	
DSTBgnMon	ENG	DST begin month	E	
DSTBgnDay	ENG	DST begin day	E	

LTIM class				
Data object name	Common data class	Description	M/O/E	Remarks
DSTBgnHr	ING	DST begin hour	E	
DSTEndWk	ENG	DST end week	E	
DSTEndMon	ENG	DST end month	E	
DSTEndDay	ENG	DST end day	E	
DSTEndHr	ING	DST end hour	E	

LN Type: SE_LTMS_STD_PowerLogic_V002

Description: Time master supervision

LTMS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_LTMS_STD_PowerLogic_V002		Time master supervision	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
TmSrc	VSS	Active time source	M	
TmSrcTyp	ENS	Active source type	M	
TmSyn	ENS	Active sync type	O	
TmChSt1	SPS	Main clock status	O	
TmChSt2	SPS	Backup clock status	O	
IRIGBStat	ENS	IRIG-B status	E	
PTPSSStat	ENS	PTP slave status	E	
StpsMvd	INS	Steps removed	E	
PrntClkId	VSS	Parent clock Id	E	
PrntClkCls	INS	Parent clock class	E	
PrntClkAcc	ENS	Parent clock accuracy	E	
PrntClkVar	INS	Parent clock variation	E	
PrntPri1	INS	Parent clock priority 1	E	
PrntPri2	INS	Parent clock priority 2	E	
PTPPriDomain	INS	PTP primary domain	E	
PTPTimeout	INS	Announce message timeout	E	
PTPMStat	ENS	PTP master status	E	
Measurement and metered values				
OsFromMstr	MV	Offset from master	E	
PrMnPDly	MV	Peer mean path delay	E	
PTPPdelay	MV	Peer delay request interval	E	
Settings				
TmSrcSet1	VSG	Main time source	O	
TmSrcSet2	VSG	Backup time source	O	
TmSrcTimeout	ING	TmSrcTimeout	E	
PTPSIntrfNo	ENG	PTP slave Ethernet interface	E	

LTMS class				
Data object name	Common data class	Description	M/O/E	Remarks
PTPSDomain	ING	PTP slave domain number	E	
PTPSPdelInt	ING	PTP slave path delay interval	E	
PTPMEna	ENG	PTP master enable	E	
PTPMDomain	ING	PTP master domain number	E	
PTPMVlanId	ING	PTP master VLAN ID	E	
SNTPReqInt	ING	SNTP time request interval	E	

LN Type: SE_MHAI_HARMONICS_PowerLogic_V001

Description: Measures Harmonics

MHAI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MHAI_HARMONICS_PowerLogic_V001		Measures Harmonics	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
ThdAlm	SPS	THD alarm	E	
ThdCnt	INS	THD alarm counter	E	
ThdCntAlm	SPS	Counter alarm	E	
ThdVVal	ASG	THD alarm value	O	
Measurement and metered values				
HA	HWE	Current harmonic	O	
HPhV	HWE	Phase voltage harmonic	O	
HPPV	HDEL	Line voltage harmonic	O	
ThdA	WYE	Current THD	O	
ThdOddA	WYE	Current THD odd	O	
ThdEvA	WYE	Current THD even	O	
ThdPhV	WYE	Phase voltage THD	O	
ThdOddPhV	WYE	Phase voltage THD odd	O	
ThdEvPhV	WYE	Phase voltage THD even	O	
ThdPPV	DEL	Line voltage THD	O	
ThdOddPPV	DEL	Line voltage THD odd	O	
ThdEvPPV	DEL	Line voltage THD even	O	
Settings				
ThdVVal	ASG	THD alarm value	O	
ThdCntVal	ING	Counter alarm value	E	

LN Type: SE_MMTR_ENERGY_PowerLogic_V002

Description: Metering

MMTR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMTR_ENERGY_PowerLogic_V002		Metering	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
Settings				

LN Type: SE_MMXU_BAY_PowerLogic_V002

Description: Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_BAY_PowerLogic_V002		Measurement	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
CmpAng	ASG	Power compensation angle	E	
Measurement and metered values				
ARMS	WYE	Phase RMS current	E	
PPVRMS	DEL	Line RMS voltage	E	
PhVRMS	WYE	Phase RMS voltage	E	
TotWRMS	MV	Total RMS power	E	
WRMS	WYE	Phase RMS power	E	
TotVArMS	MV	Total RMS reactive power	E	
VArMS	WYE	Phase RMS reactive power	E	
TotVARMS	MV	Total RMS apparent power	E	
VARMS	WYE	Phase RMS apparent power	E	
TotPFRMS	MV	Total RMS power factor	E	
PFRMS	WYE	Phase RMS power factor	E	
A	WYE	Current	O	
PPV	DEL	Line voltage	O	
PhV	WYE	Phase voltage	O	
Hz	MV	Frequency	O	
HzSlope	MV	df/dt	E	
TotW	MV	Total power	O	
W	WYE	Power	O	
TotVAr	MV	Total reactive power	O	

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
VAr	WYE	Reactive power	O	
TotVA	MV	Total apparent power	O	
VA	WYE	Apparent power	O	
TotPF	MV	Total power factor	O	
PF	WYE	Power factor	O	
SeqA	SEQ	Sequence current	E	
SeqV	SEQ	Sequence voltage	E	
UnbA	MV	Unbalance	E	
PosZ1	CMV	Z1	E	
Settings				
CmpAng	ASG	Power compensation angle	E	

LN Type: SE_MMXU_DemandVal_PowerLogic_V003

Description: Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_DemandVal_PowerLogic_V003		Measurement	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
MaxDemA	WYE	Maximum current	E	
MinDemA	WYE	Minimum current	E	
DemA	WYE	Last period current	E	
MaxDemW	MV	Maximum power	E	
MaxDemVAr	MV	Maximum reactive power	E	
MaxDemVA	MV	Maximum apparent power	E	
MinDemW	MV	Minimum power	E	
MinDemVAr	MV	Minimum reactive power	E	
MinDemVA	MV	Minimum apparent power	E	
DemW	MV	Last period power	E	
DemVAr	MV	Last period reactive power	E	
DemVA	MV	Last period apparent power	E	
Settings				
ClcIntvPer	ING	Calculation interval	O	
ClcIntvTyp	ENG	Interval unit	O	
ClcMod	ENG	Calculation mode	O	
ClcMth	ENG	Calculation method	O	

LN Type: SE_MMXU_PHASECURRENT_PowerLogic_V001**Description:** Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_PHASECURRENT_PowerLogic_V001		Measurement	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
A	WYE	Current	O	
H2Rat	WYE	Second harmonic ratio	E	
H2IAIBIC	WYE	Second harmonic current	E	
Settings				

LN Type: SE_MMXU_PHASEVOLTAGEX_PowerLogic_V002**Description:** Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_PHASEVOLTAGEX_PowerLogic_V002		Measurement	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
PhV	WYE	Phase voltage	O	
PPV	DEL	Line voltage	O	
H3PhV	WYE	H3 voltage	E	
Settings				

LN Type: SE_MMXU_PHASEVOLTAGE_PowerLogic_V001**Description:** Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_PHASEVOLTAGE_PowerLogic_V001		Measurement	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
Status Information				
Measurement and metered values				
Hz	MV	Frequency	O	
HzSlope	MV	df/dt	E	
PhV	WYE	Phase voltage	O	
PPV	DEL	Line voltage	O	
H3PhV	WYE	H3 voltage	E	
Settings				

LN Type: SE_MMXU_SUMMATION_PowerLogic_V001

Description: Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_SUMMATION_PowerLogic_V001		Measurement	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
A	WYE	Current	O	
H2Rat	WYE	Second harmonic ratio	E	
H2IAIBIC	WYE	Second harmonic current	E	
AddBias	WYE	Additional bias current	E	
Settings				

LN Type: SE_MMXU_VSVOLTAGEX_PowerLogic_V001

Description: VT Switch Single Phase Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_VSVOLTAGEX_PowerLogic_V001		VT Switch Single Phase Measurement	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Mod	ENC	Mod	O	
Status Information				
Measurement and metered values				
PhV	WYE	Phase voltage	O	
PPV	DEL	Line voltage	O	

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
H3PhV	WYE	H3 voltage	E	
Settings				

LN Type: SE_MMXU_VSVOLTAGE_PowerLogic_V001

Description: VT Switch Measurement

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_VSVOLTAGE_PowerLogic_V001		VT Switch Measurement	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
Hz	MV	Frequency	O	
HzSlope	MV	df/dt	E	
PhV	WYE	Phase voltage	O	
PPV	DEL	Line voltage	O	
H3PhV	WYE	H3 voltage	E	
Settings				

LN Type: SE_MMXU_ZPGFFT_PowerLogic_V001

Description: FFT Ground impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPGFFT_PowerLogic_V001		FFT Ground impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Measurement and metered values				
Zpg	WYE	Ground impedance	E	
Ris	WYE	Ground impedance real	O	
X	WYE	Ground impedance imag	O	
Settings				

LN Type: SE_MMXU_ZPGU_PowerLogic_V001

Description: Apparent Ground impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPGU_PowerLogic_V001		Apparent Ground impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
K0Fact	ASG	kL magnitude	E	
Measurement and metered values				
ZPG	WYE	Ground impedance	E	
Ris	WYE	Phase Phase resistance	O	
X	WYE	Phase reactance	O	
Settings				
MinLenW	ING	minimum window duration	E	
MaxLenW	ING	maximum window duration	E	
Tstr	ING	Start waiting time	E	
LinAng	ING	Line angle	E	
K0Fact	ASG	kL magnitude	E	
K0FactAng	ING	kL angle	E	

LN Type: SE_MMXU_ZPGX_PowerLogic_V001

Description: P44x Ground impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPGX_PowerLogic_V001		P44x Ground impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
Zpg	WYE	Ground impedance	E	
ZpgReal	WYE	Ground resistance	E	
ZpgImag	WYE	Ground reactance	E	
Settings				

LN Type: SE_MMXU_ZPG_PowerLogic_V001

Description: Ground impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPG_PowerLogic_V001		Ground impedance	M	
Data Objects				

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
K0Fact	ASG	K0 mag	E	
Measurement and metered values				
Zpg	WYE	Ground impedance	E	
ZpgFFT	WYE	Ground impedance from FFT	E	
ZpgPeak	WYE	Ground impedance from peak-peak	E	
ZpgReal	WYE	Ground impedance real	O	
ZpgImag	WYE	Ground impedance imag	O	
Settings				
K0Fact	ASG	K0 mag	E	

LN Type: SE_MMXU_ZPP0_PowerLogic_V001

Description: ZeroSeq Phase impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPP0_PowerLogic_V001		ZeroSeq Phase impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Measurement and metered values				
ZPP	DEL	Phase Impedance	E	
Ris	DEL	Phase Phase resistance	E	
X	DEL	Phase reactance	E	
Settings				
SetMod	ENG		E	

LN Type: SE_MMXU_ZPPFFT_PowerLogic_V001

Description: FFT Phase impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPPFFT_PowerLogic_V001		FFT Phase impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
Status Information				
Measurement and metered values				
Zpp	DEL	Phase Phase impedance	E	
Ris	DEL	Phase Phase resistance	E	
X	DEL	Phase reactance	E	
Settings				

LN Type: SE_MMXU_ZPPU_PowerLogic_V001

Description: Apparent Phase impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPPU_PowerLogic_V001		Apparent Phase impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Measurement and metered values				
ZPP	DEL	Phase Phase impedance	E	
Ris	DEL	Phase Phase resistance	E	
X	DEL	Phase reactance	E	
Settings				
MinLenW	ING	minimum window duration	E	
MaxLenW	ING	maximum window duration	E	
Tstr	ING	Start waiting time	E	

LN Type: SE_MMXU_ZPPX_PowerLogic_V001

Description: P44x Phase impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPPX_PowerLogic_V001		P44x Phase impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
Zpp	DEL	Phase impedance	E	
ZppReal	DEL	Phase resistance	E	
Zpplmag	DEL	Phase reactance	E	
Settings				

LN Type: SE_MMXU_ZPP_PowerLogic_V001**Description:** Phase impedance

MMXU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MMXU_ZPP_PowerLogic_V001		Phase impedance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Measurement and metered values				
Zpp	DEL	Phase impedance	E	
ZppFFT	DEL	Phase impedance from FFT	E	
ZppPeak	DEL	Phase impedance from peak-peak	E	
ZppReal	DEL	Phase impedance real	E	
ZppImag	DEL	Phase impedance imag	E	
Settings				

LN Type: SE_MSQI_SEQCURRENT_PowerLogic_V002**Description:** Sequence and imbalance

MSQI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MSQI_SEQCURRENT_PowerLogic_V002		Sequence and imbalance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
SeqA	SEQ	Sequence current	O	
Unb	MV	Unbalance	E	
Settings				

LN Type: SE_MSQI_SEQVOLTAGE_PowerLogic_V002**Description:** Sequence and imbalance

MSQI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MSQI_SEQVOLTAGE_PowerLogic_V002		Sequence and imbalance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	

MSQI class				
Data object name	Common data class	Description	M/O/E	Remarks
Status Information				
Measurement and metered values				
SeqV	SEQ	Sequence voltage	O	
Unb	MV	Unbalance	E	
Settings				

LN Type: SE_MSQI_VSSEQVOLTAGE_PowerLogic_V002

Description: VT Switch Sequence and imbalance

MSQI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MSQI_VSSEQVOLTAGE_PowerLogic_V002		VT Switch Sequence and imbalance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
SeqV	SEQ	Sequence voltage	O	
Unb	MV	Unbalance	E	
Settings				

LN Type: SE_MSQI_VirVTSEQVOLTAGE_PowerLogic_V002

Description: Virtual VT Sequence and imbalance

MSQI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_MSQI_VirVTSEQVOLTAGE_PowerLogic_V002		Virtual VT Sequence and imbalance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Measurement and metered values				
SeqV	SEQ	Sequence voltage	O	
Unb	MV	Unbalance	E	
Settings				

LN Type: SE_PDIF_BASIC_TRANS_PowerLogic_V001

Description: Basic transformer differential

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_BASIC_TRANS_PowerLogic_V001		Basic transformer differential	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
H5Alarm	ACT	H5 alarm	E	
Str	ACD	Start	O	
OpHi	ACT	High set operate	E	
Op	ACT	Operate	O	
Blk2H	ACT	H2 blocked	E	
Blk5H	ACT	H5 blocked	E	
ExtFltBlk	ACT	External fault	E	
Blk	SPS	Blocked	O	
MF1	ASG	Winding 1 matching factor	E	
MF2	ASG	Winding 2 matching factor	E	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
HiSet	ASG	High set op value	O	
H2Ratio	ASG	H2/H1 ratio block value	E	
H5Ratio	ASG	H5/H1 ratio block value	E	
HarmRel	ASG	Harmonic block limit	E	
Measurement and metered values				
BiasACIc	WYE	Bias	E	
BiasCros	MV	Cross bias	E	
DifACIc	WYE	Diff	O	
H2Rat	WYE	H2 ratio	E	
H5Rat	WYE	H5 ratio	E	
FltDif	WYE	Fault diff	E	
FltBias	WYE	Fault bias	E	
FltBiasCros	MV	Fault cross bias	E	
Settings				
SetMod	ENG	Function status	E	
MF1	ASG	Winding 1 matching factor	E	
ZeroSeq1	ENG	Winding 1 I0 filter	E	
Wndg2	ING	Winding 2 vector group	E	
MF2	ASG	Winding 2 matching factor	E	
ZeroSeq2	ENG	Winding 2 I0 filter	E	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
OpDITmms	ING	Operate delay	E	
HiSet	ASG	High set op value	O	
H2Blk	ENG	H2 blocking	E	
H2Ratio	ASG	H2/H1 ratio block value	E	
H5Blk	ENG	H5 blocking	E	
H5Ratio	ASG	H5/H1 ratio block value	E	
H5AlmTmms	ING	H5 alarm delay	E	
HarmRel	ASG	Harmonic block limit	E	

LN Type: SE_PDIF_BBPDIF_PowerLogic_V002

Description: Advanced Busbar differential

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_BBPDIF_PowerLogic_V002		Advanced Busbar differential	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
MrgZns	VSS	Merged zones	E	
FdrZns1	VSS	Feeder 1-8 zones	E	
FdrZns2	VSS	Feeder 9-16 zones	E	
FdrZns3	VSS	Feeder 17-24 zones	E	
FdrZns4	VSS	Feeder 25-32 zones	E	
LHCZns	VSS	Coupler LH zones	E	
RHCZns	VSS	Coupler RH zones	E	
CZOp	ACT	CZ operate	E	
Str	ACD	Start	O	
Op	ACT	Operate	O	
CTpu	ACD	CTS pickup	E	
CTSup	ACT	CZ CTS Supervision	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	E	
DifSlp	ASG	Slope	E	
PhCompVal	ASG	Phase comparison value	E	
SupSet	ASG	CT supervision start value	E	
SupSlope	ASG	CT supervision slope	E	
Measurement and metered values				
BiasAClc	WYE	Check zone bias	E	
DifAClc	WYE	Check zone diff	O	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
FltBias	WYE	Fault CZ bias	E	
FltBiasN	WYE	Fault CZ bias	E	
FltDiff	WYE	Fault CZ diff	E	
FltDiffN	WYE	Fault CZ diff	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Operation mode	E	
StrVal	ASG	Start value	E	
DifSlp	ASG	Slope	E	
OpDITmms	ING	Operate delay	E	
PhCompVal	ASG	Phase comparison value	E	
CZMod	ENG	Check zone	E	
LOMod	ENG	Lockout mode	E	
RstTmms	ING	Op reset delay	E	
SupMod	ENG	CT supervision mode	E	
SupSet	ASG	CT supervision start value	E	
SupSlope	ASG	CT supervision slope	E	
SupDITmms	ING	CT supervision delay	E	

LN Type: SE_PDIF_BIAS_PowerLogic_V002

Description: Differential

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_BIAS_PowerLogic_V002		Differential	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	M	
OpHi	ACT	High set operate	E	
Blk	SPS	Blocked	O	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
HiSet	ASG	High set op value	O	
Measurement and metered values				
DifACIc	WYE	Diff	O	
BiasACIc	WYE	Bias	E	
BiasCros	MV	Cross bias	E	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SatBiasA	WYE	Saturation bias	E	
FltDif	WYE	Fault diff	E	
FltBias	WYE	Fault bias	E	
FltBiasCros	MV	Fault cross bias	E	
FltSatBias	WYE	Fault saturation bias	E	
Settings				
SetMod	ENG	Function status	E	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
OpDITmms	ING	Operate delay	E	
HiSet	ASG	High set op value	O	
SPhMod	ENG	Split phase mode	E	
SatTC	ING	Saturation time constant	E	

LN Type: SE_PDIF_BZPDIF_PowerLogic_V002

Description: Zone element in Busbar diff

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_BZPDIF_PowerLogic_V002		Zone element in Busbar diff	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
MrgZn	ENS	Merged to	E	
Str	ACD	Start	O	
Op	ACT	Operate	O	
PhComp	ACT	Phase comparison block	E	
OpEx	ACT	Backtrip	E	
CTpu	ACD	CTS start	E	
CTSup	ACT	CTS operate	E	
Blk	SPS	Blocked	O	
ZoneNum	INS	Zone number	E	
Measurement and metered values				
BiasAClc	WYE	Bias	E	
DifAClc	WYE	Diff	O	
FltBias	WYE	Fault bias	E	
FltBiasN	WYE	Fault bias	E	
FltDiff	WYE	Fault diff	E	
FltDiffN	WYE	Fault diff	E	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
Settings				
SetMod	ENG	Function status	E	

LN Type: SE_PDIF_HIZDIFF_PowerLogic_V002

Description: Differential

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_HIZDIFF_PowerLogic_V002		Differential	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	M	
CTSup	ACT	CT supervision	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	E	
SupSet	ASG	CT supervision start value	E	
Measurement and metered values				
FitIN	MV	Fault IN	E	
FitA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	
MeasType	ENG	Measurement mode	E	
OpMod	ENG	Operation mode	E	
StrVal	ASG	Start value	E	
SupMod	ENG	CT supervision mode	E	
SupSet	ASG	CT supervision start value	E	
SupDITmms	ING	CT supervision operate delay	E	

LN Type: SE_PDIF_ITOC_PowerLogic_V001

Description: Instantaneous overcurrent

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_ITOC_PowerLogic_V001		Instantaneous overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
StrValA	ASG	Aph start value	E	
StrValB	ASG	Bph start value	E	
StrValC	ASG	Cph start value	E	
Measurement and metered values				
FltA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	
StrValA	ASG	Aph start value	E	
StrValB	ASG	Bph start value	E	
StrValC	ASG	Cph start value	E	
OpDITmms	ING	Operate delay	E	

LN Type: SE_PDIF_LineTwo_PowerLogic_V001

Description: Two ends line differential

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_LineTwo_PowerLogic_V001		Two ends line differential	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	M	
OpHi	ACT	High set operate	E	
H5Alarm	ACT	H5 alarm	E	
Blk2H	ACT	H2 blocked	E	
Blk5H	ACT	H5 blocked	E	
ExtFltBlk	ACT	External fault block	E	
Blk	SPS	Blocked	O	
MF1	ASG	Winding 1 matching factor	E	
MF2	ASG	Winding 2 matching factor	E	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
H2Ratio	ASG	H2/H1 ratio block value	E	
H5Ratio	ASG	H5/H1 ratio block value	E	
HarmRel	ASG	Harmonic block limit	E	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
HiSet	ASG	High set op value	O	
TmMult	ASG	IDMT delay multiplier	E	
Measurement and metered values				
H2Rat	WYE	H2 ratio	E	
H5Rat	WYE	H5 ratio	E	
BiasAClc	WYE	Bias	E	
BiasCros	MV	Cross bias	E	
DifAClc	WYE	Diff	O	
FltDif	WYE	Fault diff	E	
FltBias	WYE	Fault bias	E	
FltBiasCros	MV	Fault cross bias	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Operation mode	E	
MF1	ASG	Winding 1 matching factor	E	
ZeroSeq1	ENG	Winding 1 I0 filter	E	
Wndg2	ING	Winding 2 vector group	E	
MF2	ASG	Winding 2 matching factor	E	
ZeroSeq2	ENG	Winding 2 I0 filter	E	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
H2Blk	ENG	H2 blocking	E	
H2Ratio	ASG	H2/H1 ratio block value	E	
H5Blk	ENG	H5 blocking	E	
H5Ratio	ASG	H5/H1 ratio block value	E	
H5AlmTmms	ING	H5 alarm delay	E	
HarmRel	ASG	Harmonic block limit	E	
HiSet	ASG	High set op value	O	
TmACrv	CURVE	Operating curve	O	
OpDITmms	ING	DT/IDMT adder op delay	E	
TmMult	ASG	IDMT delay multiplier	E	
MinOpTmms	ING	IDMT min op delay	O	

LN Type: SE_PDIF_RGF_PowerLogic_V001

Description: RGF

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_RGF_PowerLogic_V001		RGF	M	
Data Objects				
Common Logical Node Information				

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
NeutChk	SPS	Neutral check	E	
PhComp	SPS	Phase comparator check	E	
Str	ACD	Start	O	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
LoSet	ASG	Start value	O	
NeutChkValA	ASG	IN check value	E	
Measurement and metered values				
DifClcA	MV	Diff	E	
BiasClcA	MV	Bias	E	
FltDif	MV	Fault diff	E	
FltBias	MV	Fault bias	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Operation mode	E	
LoSet	ASG	Start value	O	
OpDITmms	ING	Operate delay	E	
NeutChkValA	ASG	IN check value	E	

LN Type: SE_PDIF_TRANS_PowerLogic_V001

Description: Advanced transformer differential

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDIF_TRANS_PowerLogic_V001		Advanced transformer differential	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
H5Alarm	ACT	H5 alarm	E	
Str	ACD	Start	O	
OpHi	ACT	High set operate	E	
Op	ACT	Operate	M	
Blk2H	ACT	H2 blocked	E	
Blk5H	ACT	H5 blocked	E	
ExtFltBlk	ACT	External fault	E	
Blk	SPS	Blocked	O	
MF1	ASG	Winding 1 matching factor	E	
MF2	ASG	Winding 2 matching factor	E	
MF3	ASG	Winding 3 matching factor	E	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
HiSet	ASG	High set op value	O	
H2Ratio	ASG	H2/H1 ratio block value	E	
H5Ratio	ASG	H5/H1 ratio block value	E	
HarmRel	ASG	Harmonic block limit	E	
TapStep	ASG	Tap step size	E	
Measurement and metered values				
BiasACIc	WYE	Bias	E	
BiasCros	MV	Cross bias	E	
DifACIc	WYE	Diff	O	
H2Rat	WYE	H2 ratio	E	
H5Rat	WYE	H5 ratio	E	
FltDif	WYE	Fault diff	E	
FltBias	WYE	Fault bias	E	
FltBiasCros	MV	Fault cross bias	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Transformer type	E	
MF1	ASG	Winding 1 matching factor	E	
ZeroSeq1	ENG	Winding 1 I0 filter	E	
Wndg2	ING	Winding 2 vector group	E	
MF2	ASG	Winding 2 matching factor	E	
ZeroSeq2	ENG	Winding 2 I0 filter	E	
Wndg3	ING	Winding 3 vector group	E	
MF3	ASG	Winding 3 matching factor	E	
ZeroSeq3	ENG	Winding 3 I0 filter	E	
LoSet	ASG	Start value	O	
DifSlp1	ASG	Slope 1	E	
Slp2Set	ASG	Slope 2 start value	E	
DifSlp2	ASG	Slope 2	E	
OpDITmms	ING	Operate delay	E	
HiSet	ASG	High set op value	O	
H2BIk	ENG	H2 blocking	E	
H2Ratio	ASG	H2/H1 ratio block value	E	
H5BIk	ENG	H5 blocking	E	
H5Ratio	ASG	H5/H1 ratio block value	E	
H5AlmTmms	ING	H5 alarm delay	E	
HarmRel	ASG	Harmonic block limit	E	
TapStep	ASG	Tap step size	E	

PDIF class				
Data object name	Common data class	Description	M/O/E	Remarks
MinVolTap	ING	Minimum voltage tap	E	
MaxVolTap	ING	Maximum voltage tap	E	
NomVolTap	ING	Nominal voltage tap	E	

LN Type: SE_PDOP_PQPH_PowerLogic_V001

Description: Directional overpower

PDOP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDOP_PQPH_PowerLogic_V001		Directional overpower	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltP	MV	Fault P	E	
Settings				
SetMod	ENG	Function status	E	
DirMod	ENG	Directional mode	O	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PDUP_PQPH_PowerLogic_V001

Description: Directional underpower

PDUP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PDUP_PQPH_PowerLogic_V001		Directional underpower	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	

PDUP class				
Data object name	Common data class	Description	M/O/E	Remarks
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltP	MV	Fault P	E	
Settings				
SetMod	ENG	Function status	E	
DirMod	ENG	Directional mode	O	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PFRF_FSROCOF_PowerLogic_V001**Description:** Rate of change of frequency with frequency supervision

PFRF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PFRF_FSROCOF_PowerLogic_V001		Rate of change of frequency with frequency supervision	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
HzSup	ACD	Frequency release	E	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
BlkV	SPS	UV inhibit	O	
BlkRoCoF	SPS	ROCOF inhibit	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
BlkHzVal	ASG	Frequency release value	E	
BlkVal	ASG	UV inhibit value	O	
BlkRoCoFVal	ASG	ROCOF inhibit value	E	
Measurement and metered values				
RoCoF	MV	ROCOF	E	
FltHz	MV	Fault frequency	E	
FltRoCoF	MV	Fault ROCOF	E	
Settings				
SetMod	ENG	Function status	E	
CicIntvPer	ING	Measuring window	O	
StrVal	ASG	Start value	O	
OpMod	ENG	Operation mode	E	
BlkHzVal	ASG	Frequency release value	E	

PFRC class				
Data object name	Common data class	Description	M/O/E	Remarks
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	
BlkVal	ASG	UV inhibit value	O	
SetBlkRoCoF	ENG	High ROCOF blocking	E	
BlkRoCoFVal	ASG	ROCOF inhibit value	E	

LN Type: SE_PHAR_ID_PowerLogic_V001

Description: Harmonic restraint

PHAR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PHAR_ID_PowerLogic_V001		Harmonic restraint	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	E	
Blk	SPS	Blocked	O	
H2Ratio	ASG	H2/H1 start value	E	
CurBlkVal	ASG	Current block value	E	
Measurement and metered values				
FltH2Rat	WYE	Fault H2/H1 ratio	E	
Settings				
SetMod	ENG	Function status	E	
H2Ratio	ASG	H2/H1 start value	E	
CurBlkVal	ASG	Current block value	E	
MinOpTmms	ING	Operate delay	E	
CrossBlk	ENG	Cross block	E	

LN Type: SE_PIOC_INADEN_PowerLogic_V002

Description: Instantaneous overcurrent

PIOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PIOC_INADEN_PowerLogic_V002		Instantaneous overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Actv	SPS	Active	E	

PIOC class				
Data object name	Common data class	Description	M/O/E	Remarks
Str	ACD	Start	O	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
StrValA	ASG	Overcurrent start value	E	
StrValV	ASG	Undervoltage start value	E	
Measurement and metered values				
FitPPV	DEL	Fault line voltage	E	
FitA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	
StrValA	ASG	Overcurrent start value	E	
StrValV	ASG	Undervoltage start value	E	
ActDITmms	ING	Activation delay	E	
DITmms	ING	Release delay	E	

LN Type: SE_PIOC_PHASE_PowerLogic_V001

Description: High speed instantaneous overcurrent

PIOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PIOC_PHASE_PowerLogic_V001		High speed instantaneous overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
IAIBICPk	WYE	Peak-peak current	E	
FitA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	

LN Type: SE_PMRI_STANDARD_PowerLogic_V002

Description: Motor restart inhibition

PMRI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PMRI_STANDARD_PowerLogic_V002		Motor restart inhibition	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
StrNumInh	SPS	Number of starts inhibit	E	
StrRteInh	SPS	Time between starts inhibit	E	
StrInhbyABS	SPS	Anti backspin inhibit	E	
StrInh	SPS	Start inhibited	O	
StrInhTmm	INS	Inhibition time (mins)	O	
Blk	SPS	Blocked	O	
Measurement and metered values				
NumStrAllw	MV	Allowed starts remaining	E	
OpTmms	MV	ABS time remaining	E	
Settings				
SetMod	ENG	Function status	E	
MaxStrTmm	ING	Start number period	O	
MaxNumStr	ING	Start number in period	O	
InhTmm	ING	Start number min inhibition time	O	
MaxStrRteTmm	ING	Time between starts	E	
AbsTmms	ING	Anti backspin time	E	
ZerSpdTmms	ING	Zero speed time	E	

LN Type: SE_PMSS_STANDARD_PowerLogic_V002

Description: Motor starting time supervision

PMSS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PMSS_STANDARD_PowerLogic_V002		Motor starting time supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
SetA	ASG	Nom voltage start current (xFLA)	O	
Measurement and metered values				
FltA	WYE	Fault current	O	

PMSS class				
Data object name	Common data class	Description	M/O/E	Remarks
Settings				
SetMod	ENG	Function status	E	
PSMod	CURVE	Operating curve	E	
SetA	ASG	Nom voltage start current (xFLA)	O	
SetTms	ING	Nom voltage start time	O	
LokRotTms	ING	Locked rotor delay	O	

LN Type: SE_POVS_STANDARD_PowerLogic_V002

Description: Overspeed

POVS class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_POVS_STANDARD_PowerLogic_V002		Overspeed	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltSpd	MV	Fault speed	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	

LN Type: SE_PPAM_OOS_PowerLogic_V001

Description: Phase angle measuring

PPAM class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PPAM_OOS_PowerLogic_V001		Phase angle measuring	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
OutStr	ACD	Outer start	E	
InStr	ACD	Inner start	E	
Z1Str	ACD	Zone 1 start	E	

PPAM class				
Data object name	Common data class	Description	M/O/E	Remarks
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	ACT	Drop out	E	
Blk	SPS	Blocked	O	
Z1Cnt	INS	Slip count zone 1	E	
Z2Cnt	INS	Slip count zone 2	E	
PoRch	ASG	Inner forward reach	E	
PoRchRev	ASG	Inner reverse reach	E	
RisPhRch	ASG	Inner res forward reach	E	
RisPhRchRev	ASG	Inner res reverse reach	E	
PctRch	ASG	Outer/inner forward reach	E	
PctRchRev	ASG	Outer/inner reverse reach	E	
PctRisRch	ASG	Outer/inner res forward reach	E	
PctRisRchRev	ASG	Outer/inner res reverse reach	E	
PctRchZ1	ASG	Z1/inner forward reach	E	
Measurement and metered values				
FltV1	CMV	Fault V1	E	
FltI1	CMV	Fault I1	E	
Settings				
SetMod	ENG	Function status	E	
PoRch	ASG	Inner forward reach	E	
PoRchRev	ASG	Inner reverse reach	E	
RisPhRch	ASG	Inner res forward reach	E	
RisPhRchRev	ASG	Inner res reverse reach	E	
PctRch	ASG	Outer/inner forward reach	E	
PctRchRev	ASG	Outer/inner reverse reach	E	
PctRisRch	ASG	Outer/inner res forward reach	E	
PctRisRchRev	ASG	Outer/inner res reverse reach	E	
BldAng	ING	Blinder angle	E	
PctRchZ1	ASG	Z1/inner forward reach	E	
SlpCnt1	ING	Slip count zone 1	E	
SlpCnt2	ING	Slip count zone 2	E	
OpDITmms	ING	Operate delay	E	
RsDITmms	ING	Reset delay	E	

LN Type: SE_PPAM_VVS_PowerLogic_V002

Description: Phase angle measuring

PPAM class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PPAM_VVS_PowerLogic_V002		Phase angle measuring	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	

PPAM class				
Data object name	Common data class	Description	M/O/E	Remarks
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
BlkV	SPS	V1 inhibit	O	
BlkHz	SPS	Frequency inhibit	E	
StrVal	ASG	Start value	O	
UVVal	ASG	UVVal	E	
OVVal	ASG	OVVal	E	
Measurement and metered values				
FitVVS	MV	Fault VVS	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	E	
RstTmms	ING	Reset delay	E	
UVVal	ASG	UVVal	E	
OVVal	ASG	OVVal	E	
BlkRsDITmms	ING	Block reset delay	E	

LN Type: SE_PSDE_EARTH_PowerLogic_V002**Description:** Sensitive directional earthfault

PSDE class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PSDE_EARTH_PowerLogic_V002		Sensitive directional earthfault	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
GndStr	ASG	IN start value	O	
BlkValV	ASG	VN start value	E	
BlkValP	ASG	PN start value	E	
Ang	ASG	Characteristic angle	O	
Measurement and metered values				
Phi	MV	φ_N	E	
IcosPhi	MV	Neutral Icos φ	E	

PSDE class				
Data object name	Common data class	Description	M/O/E	Remarks
NeutralP	MV	Neutral Power	E	
FltPhi	MV	Fault ϕ N	E	
FltPhV	WYE	Fault VN	O	
FltA	WYE	Fault IN	O	
FltIcosPhi	MV	Fault Icos ϕ N	E	
FltP	MV	Fault PN	E	
Settings				
SetMod	ENG	Function status	E	
OpMod	ENG	Operation mode	E	
GndStr	ASG	IN start value	O	
BlkValV	ASG	VN start value	E	
BlkValP	ASG	PN start value	E	
VNSupDITmms	ING	VN supervision time	E	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	E	
DirMod	ENG	Directional mode	O	
Ang	ASG	Characteristic angle	O	
Sector	ING	Sector angle	E	

LN Type: SE_PSOF_STANDARD_PowerLogic_V001

Description: Switch-onto-fault protection

PSOF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PSOF_STANDARD_PowerLogic_V001		Switch-onto-fault protection	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Act	SPS	Active	E	
Str	ACD	Start	O	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
SetPhV	ASG	Undervoltage threshold	O	
StrVal	ASG	Overcurrent threshold	O	
Measurement and metered values				
FltPhV	WYE	Fault phase voltage	O	
FltA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	
EnaDITmms	ING	Activation delay	E	
EnaTmms	ING	Release delay	O	

PSOF class				
Data object name	Common data class	Description	M/O/E	Remarks
OpModSof	ENG	Operation mode	O	
SetPhV	ASG	Undervoltage threshold	O	
StrVal	ASG	Overcurrent threshold	O	
OpDITmms	ING	Operate delay	O	

LN Type: SE_PTEF_EARTH_PowerLogic_V001

Description: Transient intermittent earthfault

PTEF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTEF_EARTH_PowerLogic_V001		Transient intermittent earthfault	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
BlkAVal	ASG	IN start value	E	
GndStr	ASG	VN start value	O	
Measurement and metered values				
FitIN	WYE	Fault IN	O	
FitVN	WYE	Fault VN	O	
FitFwdCnt	MV	Forward peaks count	E	
FitRevCnt	MV	Reverse peaks count	E	
FitTmPct	MV	Fault time elapsed	E	
Settings				
SetMod	ENG	Function status	E	
BlkAVal	ASG	IN start value	E	
GndStr	ASG	VN start value	O	
DirMod	ENG	Directional mode	O	
MinOpTmms	ING	Min op delay	E	
MinPkVal	ING	Min peaks	E	
DurPkTmms	ING	Intermittent time	E	

LN Type: SE_PTOC_BC_PowerLogic_V002

Description: Time overcurrent

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_BC_PowerLogic_V002		Time overcurrent	M	
Data Objects				

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
BlkA	SPS	I1 inhibit	E	
StrVal	ASG	Start value	O	
BlkValA	ASG	Minimum I1	E	
Measurement and metered values				
FltUnb	MV	Fault I2/I1	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
BlkValA	ASG	Minimum I1	E	

LN Type: SE_PTOC_DIREARTH_PowerLogic_V002

Description: Time overcurrent

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_DIREARTH_PowerLogic_V002		Time overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Dyn	SPS	Dynamic settings	E	
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
TmMult	ASG	IDMT delay multiplier	O	
DStrVal	ASG	Dynamic start value	E	
DStrMul	ASG	Dyn start value multiplier	E	
DTmMult	ASG	Dyn IDMT delay multiplier	E	
Measurement and metered values				
FltIN	CMV	Fault IN	E	
FltINRms	MV	Fault IN RMS	E	

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
Settings				
SetMod	ENG	Function status	E	
MeasType	ENG	Measurement mode	E	
DirMod	ENG	Directional mode	O	
TmACrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
OpDITmms	ING	DT/IDMT adder op delay	O	
TmMult	ASG	IDMT delay multiplier	O	
MinOpTmms	ING	IDMT min op delay	O	
TypRsCrv	ENG	Reset curve	O	
RsDITmms	ING	DT reset delay	O	
DStrVal	ASG	Dynamic start value	E	
DStrMul	ASG	Dyn start value multiplier	E	
DOpDITmms	ING	Dyn DT/IDMT adder op delay	E	
DTmMult	ASG	Dyn IDMT delay multiplier	E	
DMinOpTmms	ING	Dyn IDMT min op delay	E	
DRsDITmms	ING	Dyn DT reset delay	E	

LN Type: SE_PTOC_DIRPHASE_PowerLogic_V002

Description: Directional time overcurrent

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_DIRPHASE_PowerLogic_V002		Directional time overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Dyn	SPS	Dynamic settings	E	
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
TmMult	ASG	IDMT delay multiplier	O	
DStrVal	ASG	Dynamic start value	E	
DStrMult	ASG	Dyn timer multiplier	E	
DTmMult	ASG	Dyn IDMT delay multiplier	E	
Measurement and metered values				

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
FltA	WYE	Fault current	O	
FltARms	WYE	Fault RMS current	E	
FltI0	CMV	Fault I0	E	
Settings				
SetMod	ENG	Function status	E	
MeasType	ENG	Measurement mode	E	
OpStat	ENG	Operation mode	E	
DirMod	ENG	Directional mode	O	
TmAcrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
OpDITmms	ING	DT/IDMT adder op delay	O	
TmMult	ASG	IDMT delay multiplier	O	
MinOpTmms	ING	IDMT min op delay	O	
TypRsCrv	ENG	Reset curve	O	
RsDITmms	ING	DT reset delay	O	
DStrVal	ASG	Dynamic start value	E	
DStrMult	ASG	Dyn timer multiplier	E	
DOpDITmms	ING	Dyn DT/IDMT adder op delay	E	
DTmMult	ASG	Dyn IDMT delay multiplier	E	
DMinOpTmms	ING	Dyn IDMT min op delay	E	
DRsDITmms	ING	Dyn DT reset delay	E	

LN Type: SE_PTOC_JAM_PowerLogic_V001

Description: Time overcurrent

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_JAM_PowerLogic_V001		Time overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	

LN Type: SE_PTOC_NEGSEQ_PowerLogic_V001

Description: Time overcurrent

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_NEGSEQ_PowerLogic_V001		Time overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Dyn	SPS	Dynamic settings	E	
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
TmMult	ASG	IDMT delay multiplier	O	
DStrVal	ASG	Dynamic start value	E	
DStrMul	ASG	Dyn start value multiplier	E	
DTmMult	ASG	Dyn IDMT delay multiplier	E	
Measurement and metered values				
FitI2	CMV	Fault I2	E	
Settings				
SetMod	ENG	Function status	E	
DirMod	ENG	Directional mode	O	
TmACrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
OpDITmms	ING	DT/IDMT adder op delay	O	
TmMult	ASG	IDMT delay multiplier	O	
MinOpTmms	ING	IDMT min op delay	O	
TypRsCrv	ENG	Reset curve	O	
RsDITmms	ING	DT reset delay	O	
DStrVal	ASG	Dynamic start value	E	
DStrMul	ASG	Dyn start value multiplier	E	
DOpDITmms	ING	Dyn DT/IDMT adder op delay	E	
DTmMult	ASG	Dyn IDMT delay multiplier	E	

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
DMinOpTmms	ING	Dyn IDMT min op delay	E	
DRsDITmms	ING	Dyn DT reset delay	E	

LN Type: SE_PTOC_UIBC_PowerLogic_V002

Description: Capacitor unbalance

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_UIBC_PowerLogic_V002		Capacitor unbalance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
OpLo	ACD	Alarm	E	
Str	ACD	Start	M	
Op	ACT	Operate	M	
OpHi	ACT	High set operate	E	
Blk	SPS	Blocked	O	
AlmVal	ASG	Alarm value	E	
StrVal	ASG	Start value	O	
HiSet	ASG	High set op value	E	
Measurement and metered values				
INcomp	MV	Compensated IN	E	
INcompPhi	MV	Compensated IN angle	E	
IComp	MV	Compensated IA	E	
ICompPhi	MV	Compensated IA angle	E	
IBcomp	MV	Compensated IB	E	
IBcompPhi	MV	Compensated IB angle	E	
ICcomp	MV	Compensated IC	E	
ICcompPhi	MV	Compensated IC angle	E	
BalN	MV	IN balance	E	
BalNPhi	MV	IN balance ϕ	E	
BalA	MV	IA balance	E	
BalAPhi	MV	IA balance ϕ	E	
BalB	MV	IB balance	E	
BalBPhi	MV	IB balance ϕ	E	
BalC	MV	IC balance	E	
BalCPhi	MV	IC balance ϕ	E	
FltUnbA	MV	Fault current	E	
FltPhi	MV	Fault angle	E	
Settings				
SetMod	ENG	Function status	E	

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
OpMod	ENG	Operation mode	E	
AlmVal	ASG	Alarm value	E	
AlmDITmms	ING	Alarm delay	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
HiSet	ASG	High set op value	E	
HiDITmms	ING	High set op delay	E	

LN Type: SE_PTOC_VSEARTH_PowerLogic_V002

Description: Time overcurrent

PTOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOC_VSEARTH_PowerLogic_V002		Time overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
TmMult	ASG	IDMT delay multiplier	O	
Measurement and metered values				
FitISen	CMV	Fault IN	E	
Settings				
SetMod	ENG	Function status	E	
TmACrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	O	
StrMult	ASG	Timer active multiplier	E	
OpDITmms	ING	DT/IDMT adder op delay	O	
TmMult	ASG	IDMT delay multiplier	O	
MinOpTmms	ING	IDMT min op delay	O	
TypRsCrv	ENG	Reset curve	O	
RsDITmms	ING	DT reset delay	O	

LN Type: SE_PTOF_PHASE_PowerLogic_V001

Description: Overfrequency

PTOF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOF_PHASE_PowerLogic_V001		Overfrequency	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
BlkV	SPS	UV inhibit	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
BlkVal	ASG	UV inhibit value	O	
Measurement and metered values				
FltHz	MV	Fault frequency	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	
BlkVal	ASG	UV inhibit value	O	

LN Type: SE_PTOV_CAP_PowerLogic_V002**Description:** Capacitor Overvoltage

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOV_CAP_PowerLogic_V002		Capacitor Overvoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Alm	SPS	Alarm	E	
Str	ACD	Start	M	
Op	ACT	Operate	O	
OpHi	ACT	High set operate	E	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
TmMult	ASG	Time multiplier	O	
AlmVal	ASG	Alarm value	E	
HiSet	ASG	High set op value	E	

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
Measurement and metered values				
RsvTmm	MV	Time to operate	E	
PVF	WYE	PVF	E	
FltPVF	WYE	Fault PVF	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
TmMult	ASG	Time multiplier	O	
AlmVal	ASG	Alarm value	E	
AlmDITmms	ING	Alarm delay	E	
HiSet	ASG	High set op value	E	
HiDITmms	ING	High set op delay	E	

LN Type: SE_PTOV_EARTH_PowerLogic_V001

Description: Overvoltage

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOV_EARTH_PowerLogic_V001		Overvoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltVN	WYE	Fault neutral voltage	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTOV_InterTurn_PowerLogic_V003

Description: Overvoltage

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOV_ InterTurn_ PowerLogic_V003		Overvoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
VIT	WYE	Interturn voltage	E	
FltVIT	WYE	Fault Interturn Voltage	E	
FltVsp	WYE	Fault star point Voltage	E	
FltVN	WYE	Fault terminal VN	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	

LN Type: SE_PTOV_NEGSEQ_PowerLogic_V001

Description: Overvoltage

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOV_ NEGSEQ_ PowerLogic_V001		Overvoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltV2	CMV	Fault V2	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTOV_PHASE_PowerLogic_V001

Description: Overvoltage

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOV_PHASE_PowerLogic_V001		Overvoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Tms	ASG	IDMT delay multiplier	E	
Measurement and metered values				
FltPhV	WYE	Fault phase voltage	O	
FltPPV	DEL	Fault line voltage	E	
Settings				
SetMod	ENG	Function status	E	
MuMod	ENG	Measurement mode	E	
OpMod	ENG	Operation mode	E	
TmVCrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
Tms	ASG	IDMT delay multiplier	E	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTOV_POSSEQ_PowerLogic_V001

Description: Overvoltage

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTOV_POSSEQ_PowerLogic_V001		Overvoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	

PTOV class				
Data object name	Common data class	Description	M/O/E	Remarks
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	O	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltV1	CMV	Fault V1	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTRC_BCPTRC_PowerLogic_V001

Description: Coupler element in Busbar diff

PTRC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTRC_ BCPTRC_ PowerLogic_V001		Coupler element in Busbar diff	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
LHConZn	ENS	LH connected zones	E	
RHConZn	ENS	RH connected zones	E	
LHActZn	ENS	LH active zone	E	
RHActZn	ENS	RH active zone	E	
Ext	SPS	Zone extension	E	
Str	ACD	Start	O	
Op	ACT	Operate	O	
OpEx	ACT	Backtrip	E	
Blk	SPS	Blocked	O	
Measurement and metered values				
FltLHA	WYE	LH fault current	E	
FltLHN	WYE	LH fault current	E	
FltRHA	WYE	RH fault current	E	
FltRHN	WYE	RH fault current	E	
Settings				
SetMod	ENG	Function status	E	
LHNumCon	ING	LH zone connections	E	
RHNumCon	ING	RH zone connections	E	

PTRC class				
Data object name	Common data class	Description	M/O/E	Remarks
LHMod	ENG	LH terminal CT mode	E	
RHMod	ENG	RH terminal CT mode	E	
ExtDITmms	ING	Zone extension delay	E	

LN Type: SE_PTRC_BFPTRC_PowerLogic_V001

Description: Feeder element in Busbar diff

PTRC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTRC_ BFPTRC_ PowerLogic_V001		Feeder element in Busbar diff	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
ConZn	ENS	Connected zones	E	
ActZn	ENS	Active zone	E	
Str	ACD	Start	O	
Op	ACT	Operate	O	
OpEx	ACT	Backtrip	E	
Blk	SPS	Blocked	O	
Measurement and metered values				
FitA	WYE	Fault current	O	
FitN	WYE	Fault current	E	
Settings				
SetMod	ENG	Function status	E	
NumCon	ING	Zone connections	E	

LN Type: SE_PTRC_STANDARD_PowerLogic_V003

Description: Protection trip conditioning

PTRC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTRC_ STANDARD_ PowerLogic_V003		Protection trip conditioning	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Tr	ACT	Trip	O	
Blk	SPS	Blocked	O	

PTRC class				
Data object name	Common data class	Description	M/O/E	Remarks
RSTrip	ACT	Internal RS trip	E	
Measurement and metered values				
Settings				
SetMod	ENG	Function status	E	
LOMod	ENG	Lockout mode	E	
TrPlsTmms	ING	Trip pulse time	O	
TripLabel	VSG	Label	E	

LN Type: SE_PTTR_NPS_PowerLogic_V002

Description: Machine Unbalance

PTTR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTTR_NPS_PowerLogic_V002		Machine Unbalance	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value (xFLA)	O	
MaxThm	ASG	Capability constant	E	
RstMul	ASG	Reset multiplier	E	
Measurement and metered values				
RsvTmm	MV	Time to operate	E	
ThmLev	MV	Thermal state	E	
ConsTmsSt	MV	Time constant	E	
FltI2	CMV	Fault I2	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value (xFLA)	O	
MaxThm	ASG	Capability constant	E	
TmACrv	CURVE	Operating curve	O	
RstMul	ASG	Reset multiplier	E	
MinOpTmms	ING	Min op delay	O	
MaxOpTms	ING	Max op delay	E	

LN Type: SE_PTTR_THF_PowerLogic_V003

Description: Thermal overload

PTTR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTTR_THF_PowerLogic_V003		Thermal overload	M	
Data Objects				
Common Logical Node Information				
NamPit	LPL	NamPit	O	
Beh	ENS	Beh	M	
Status Information				
AlmThm	SPS	Thermal alarm	O	
Str	ACD	Start	O	
RsvAlm	SPS	Time to operate alarm	E	
Op	ACT	Operate	M	
BlkThm	SPS	Block closing	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value (xFLA)	O	
CoolTC	ASG	Cooling time constant	E	
RunTC	ASG	Running time constant	E	
OITC	ASG	Overload time constant	E	
AlmVal	ASG	Thermal alarm value	O	
TmpNom	ASG	Nominal temperature	E	
TmpMax	ASG	Max temperature	O	
TmACrvPt0	ASG	1.4 x FLA time constant	E	
TmACrvPt1	ASG	1.6 x FLA time constant	E	
TmACrvPt2	ASG	1.8 x FLA time constant	E	
TmACrvPt3	ASG	2.0 x FLA time constant	E	
Measurement and metered values				
RsvTmm	MV	Time to operate	E	
BlkTmm	MV	Time to restart	E	
Amp	MV	Thermal current	O	
ThmLev	MV	Thermal state	E	
Tmp	MV	Ambient temperature	O	
FitARms	WYE	Fault RMS current	E	
FitTmp	CMV	Fault ambient temp	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value (xFLA)	O	
CoolTC	ASG	Cooling time constant	E	
RunTC	ASG	Running time constant	E	
OITC	ASG	Overload time constant	E	
AlmVal	ASG	Thermal alarm value	O	
RsvVal	ING	Time to operate alarm value	E	
TmpNom	ASG	Nominal temperature	E	
TmpMax	ASG	Max temperature	O	
RsvTL	ING	Restart level	E	

PTTR class				
Data object name	Common data class	Description	M/O/E	Remarks
TmACrv	CURVE	Overload characteristic	O	
TmACrvPt0	ASG	1.4 x FLA time constant	E	
TmACrvPt1	ASG	1.6 x FLA time constant	E	
TmACrvPt2	ASG	1.8 x FLA time constant	E	
TmACrvPt3	ASG	2.0 x FLA time constant	E	

LN Type: SE_PTTR_THM_PowerLogic_V002

Description: Thermal overload

PTTR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTTR_THM_PowerLogic_V002		Thermal overload	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
AlmThm	SPS	Thermal alarm	O	
Str	ACD	Start	O	
RsvAlm	SPS	Time to operate alarm	E	
Op	ACT	Operate	O	
BlkThm	SPS	Block closing	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value (xFLA)	O	
NegQ	ASG	Neg seq factor	E	
StpTC	ASG	Stopped time constant	E	
RunTC	ASG	Running time constant	E	
OITC	ASG	Overload time constant	E	
StrTC	ASG	Starting time constant	E	
AlmVal	ASG	Thermal alarm value	O	
TmpNom	ASG	Nominal temperature	E	
TmpMax	ASG	Max temperature	O	
LckRotA	ASG	Locked rotor current (xFLA)	E	
StrTrq	ASG	Start torque	E	
NomSlip	ASG	Nominal slip	E	
Tcold	ASG	Cold stall time	E	
Thot	ASG	Hot stall time	E	
TmACrvPt0	ASG	1.4 x FLA time constant	E	
TmACrvPt1	ASG	1.6 x FLA time constant	E	
TmACrvPt2	ASG	1.8 x FLA time constant	E	
TmACrvPt3	ASG	2.0 x FLA time constant	E	
Measurement and metered values				
RsvTmm	MV	Time to operate	E	

PTTR class				
Data object name	Common data class	Description	M/O/E	Remarks
BlkTmm	MV	Time to restart	E	
Amp	MV	Thermal current	O	
StaTL	MV	Stator thermal state	E	
RotTL	MV	Rotor thermal state	E	
ThmLev	MV	Thermal state	E	
StrLev	MV	Last start heating	E	
MaxStrLev	MV	Max start heating	E	
Tmp	MV	Ambient temperature	O	
FltARms	WYE	Fault RMS current	E	
FltI2	CMV	Fault I2	E	
FltI1	CMV	Fault I1	E	
FltSlip	CMV	Fault slip	E	
FltTmp	CMV	Fault ambient temp	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value (xFLA)	O	
NegQ	ASG	Neg seq factor	E	
StpTC	ASG	Stopped time constant	E	
RunTC	ASG	Running time constant	E	
OITC	ASG	Overload time constant	E	
StrTC	ASG	Starting time constant	E	
AlmVal	ASG	Thermal alarm value	O	
RsvVal	ING	Time to operate alarm value	E	
TmpNom	ASG	Nominal temperature	E	
TmpMax	ASG	Max temperature	O	
RotMod	ENG	Rotor mode	E	
LckRotA	ASG	Locked rotor current (xFLA)	E	
StrTrq	ASG	Start torque	E	
NomSlip	ASG	Nominal slip	E	
Tcold	ASG	Cold stall time	E	
Thot	ASG	Hot stall time	E	
RestrMod	ENG	Restart mode	E	
RsvTL	ING	Restart level	E	
TmACrv	CURVE	Overload characteristic	O	
TmACrvPt0	ASG	1.4 x FLA time constant	E	
TmACrvPt1	ASG	1.6 x FLA time constant	E	
TmACrvPt2	ASG	1.8 x FLA time constant	E	
TmACrvPt3	ASG	2.0 x FLA time constant	E	

LN Type: SE_PTUC_PHASE_PowerLogic_V001

Description: Undercurrent

PTUC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUC_PHASE_PowerLogic_V001		Undercurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltA	WYE	Fault current	O	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTUF_LS_PHASE_PowerLogic_V002

Description: Underfrequency load shedding

PTUF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUF_LS_PHASE_PowerLogic_V002		Underfrequency load shedding	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
BlkHHz	SPS	Block closing	E	
DfdtInh	SPS	ROCOF inhibit	E	
BlkV	SPS	UV inhibit	O	
BlkP	SPS	Power inhibit	E	
Blk	SPS	Blocked	O	
Stg1StrVal	ASG	Stage 1 start value	E	
Stg2StrVal	ASG	Stage 2 start value	E	
Stg3StrVal	ASG	Stage 3 start value	E	
Stg4StrVal	ASG	Stage 4 start value	E	
Stg5StrVal	ASG	Stage 5 start value	E	

PTUF class				
Data object name	Common data class	Description	M/O/E	Remarks
Stg6StrVal	ASG	Stage 6 start value	E	
Stg7StrVal	ASG	Stage 7 start value	E	
Stg8StrVal	ASG	Stage 8 start value	E	
Stg9StrVal	ASG	Stage 9 start value	E	
Stg10StrVal	ASG	Stage 10 start value	E	
DfdtVal	ASG	ROCOF inhibit value	E	
BlkVal	ASG	UV inhibit value	O	
BlkValP	ASG	Power blocking value	E	
BlkValA	ASG	Current blocking value	E	
RsvHz	ASG	Reclose frequency	E	
Measurement and metered values				
FltStg	MV	Fault active stage	E	
FltHz	MV	Fault frequency	E	
FltP	MV	Fault power	E	
Settings				
SetMod	ENG	Function status	E	
NumStg	ING	Number of stages	E	
Stg1StrVal	ASG	Stage 1 start value	E	
Stg2StrVal	ASG	Stage 2 start value	E	
Stg3StrVal	ASG	Stage 3 start value	E	
Stg4StrVal	ASG	Stage 4 start value	E	
Stg5StrVal	ASG	Stage 5 start value	E	
Stg6StrVal	ASG	Stage 6 start value	E	
Stg7StrVal	ASG	Stage 7 start value	E	
Stg8StrVal	ASG	Stage 8 start value	E	
Stg9StrVal	ASG	Stage 9 start value	E	
Stg10StrVal	ASG	Stage 10 start value	E	
OpDITmms	ING	Operate delay	O	
DfdtVal	ASG	ROCOF inhibit value	E	
BlkVal	ASG	UV inhibit value	O	
BlkValP	ASG	Power blocking value	E	
BlkValA	ASG	Current blocking value	E	
Sector	ING	Sector blocking angle	E	
RsvHz	ASG	Reclose frequency	E	

LN Type: SE_PTUF_PHASE_PowerLogic_V002

Description: Underfrequency

PTUF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUF_PHASE_PowerLogic_V002		Underfrequency	M	
Data Objects				

PTUF class				
Data object name	Common data class	Description	M/O/E	Remarks
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
DfdtInh	SPS	ROCOF inhibit	E	
BlkV	SPS	UV inhibit	O	
StrVal	ASG	Start value	O	
HysVal	ASG	Hysteresis value	E	
BlkVal	ASG	UV inhibit value	O	
DfdtVal	ASG	ROCOF inhibit value	E	
Measurement and metered values				
FltHz	MV	Fault frequency	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
HysVal	ASG	Hysteresis value	E	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	
BlkVal	ASG	UV inhibit value	O	
DfdtVal	ASG	ROCOF inhibit value	E	

LN Type: SE_PTUV_DQ_PowerLogic_V001

Description: Reactive power controlled Undervoltage

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUV_DQ_PowerLogic_V001		Reactive power controlled Undervoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
OpGri	ACT	Operate (grid)	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
BlkValA	ASG	Minimum current	E	
BlkValQ	ASG	Minimum reactive power	E	

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
Measurement and metered values				
FitI1	CMV	Fault I1	E	
FitQ	MV	Fault Q	E	
FitV	DEL	Fault voltage	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
BlkValA	ASG	Minimum current	E	
BlkValQ	ASG	Minimum reactive power	E	
Sector	ING	Sector blocking angle	E	
DirMod	ENG	Directional mode	E	
OpDITmms	ING	Operate delay	O	
GriOpDITmms	ING	Operate delay (grid)	E	
RstTmms	ING	Op reset delay	E	

LN Type: SE_PTUV_PHASE_PowerLogic_V001

Description: Undervoltage

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUV_PHASE_PowerLogic_V001		Undervoltage	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Tms	ASG	IDMT delay multiplier	E	
Measurement and metered values				
FitPhV	WYE	Fault phase voltage	O	
FitPPV	DEL	Fault line voltage	E	
Settings				
SetMod	ENG	Function status	E	
MuMod	ENG	Measurement mode	E	
OpMod	ENG	Operation mode	E	
TmVCrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
Tms	ASG	IDMT delay multiplier	E	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTUV_POSSEQ_PowerLogic_V001

Description: Undervoltage

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUV_POSSEQ_PowerLogic_V001		Undervoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltV1	CMV	Fault V1	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTUV_U3Stator_PowerLogic_V001

Description: Undervoltage

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUV_U3Stator_PowerLogic_V001		Undervoltage	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
DropO	SPS	Drop off	E	
Blk	SPS	Blocked	O	

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
V3HRatio	ASG	Diff ratio start value	E	
V3NStrVal	ASG	Neutral UV start value	E	
V3HBikVal	ASG	H3 diff block value	E	
UVBikVal	ASG	Undervoltage block value	E	
UPBikVal	ASG	Underpower block value	E	
Measurement and metered values				
V3HDiff	MV	H3 diff voltage	E	
AngleV3NT	MV	Term-neut H3 angle	E	
FitV3N	CMV	Fault H3 neutral	E	
FitV3T	CMV	Fault H3 terminal	E	
FitPPV	DEL	Fault line voltage	E	
FitP	MV	Fault power	E	
FitV3Diff	MV	Fault H3 diff	E	
Settings				
SetMod	ENG	Function status	E	
V3HDiffType	ENG	Operation mode	E	
V3HRatio	ASG	Diff ratio start value	E	
V3NStrVal	ASG	Neutral UV start value	E	
V3HBikVal	ASG	H3 diff block value	E	
UVBikVal	ASG	Undervoltage block value	E	
UPBikVal	ASG	Underpower block value	E	
OpDITmms	ING	Operate delay	O	
RsDITmms	ING	Reset delay	O	

LN Type: SE_PTUV_VC_PowerLogic_V001

Description: Undervoltage

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PTUV_VC_PowerLogic_V001		Undervoltage	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Rv	SPS	Reverse rotation	E	
Op	ACT	Operate	M	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FitV1	CMV	Fault V1	E	
Settings				

PTUV class				
Data object name	Common data class	Description	M/O/E	Remarks
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	

LN Type: SE_PVOC_VDPN_PowerLogic_V002

Description: Voltage controlled time overcurrent

PVOC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PVOC_VDPN_PowerLogic_V002		Voltage controlled time overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	E	
TmMult	ASG	IDMT delay multiplier	O	
VDOStrVal1	ASG	Max dependent voltage	E	
VDOStrVal2	ASG	Min dependent voltage	E	
VDOMult	ASG	Voltage dependent multiplier	E	
Measurement and metered values				
FltPPV	DEL	Fault line voltage	E	
FltA	WYE	Fault current	O	
FltARms	WYE	Fault RMS current	E	
FltI0	CMV	Fault I0	E	
Settings				
SetMod	ENG	Function status	E	
MeasType	ENG	Measurement mode	E	
TmACrv	CURVE	Operating curve	O	
StrVal	ASG	Start value	E	
OpDITmms	ING	DT/IDMT adder op delay	O	
TmMult	ASG	IDMT delay multiplier	O	
MinOpTmms	ING	IDMT min op delay	O	
TypRsCrv	ENG	Reset curve	O	
RsDITmms	ING	DT reset delay	O	
VDOStrVal1	ASG	Max dependent voltage	E	
VDOStrVal2	ASG	Min dependent voltage	E	
VDOMult	ASG	Voltage dependent multiplier	E	

LN Type: SE_PVPH_VPERHZ_PowerLogic_V001**Description:** Overfluxing

PVPH class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PVPH_VPERHZ_PowerLogic_V001		Overfluxing	M	
Data Objects				
Common Logical Node Information				
NamPIt	LPL	NamPIt	O	
Beh	ENS	Beh	M	
Status Information				
Alm	SPS	Alarm	E	
Str	ACD	Start	M	
OpTms	INS	Time to operate	E	
RsvAlm	SPS	Time to operate alarm	E	
Op	ACT	Operate	M	
DropO	SPS	Drop out	E	
Blk	SPS	Blocked	O	
AlmVal	ASG	Alarm value	E	
StrVal	ASG	Start value	O	
TmMult	ASG	IDMT delay multiplier	O	
Measurement and metered values				
VperHz	MV	V/Hz	E	
FltPhV	WYE	Fault phase voltage	O	
FltPPV	DEL	Fault line voltage	E	
FltVperHz	MV	Fault V/Hz	E	
Settings				
SetMod	ENG	Function status	E	
MuMod	ENG	Measurement mode	E	
AlmVal	ASG	Alarm value	E	
AlmDITmms	ING	Alarm delay	E	
StrVal	ASG	Start value	O	
VHzCrv	CURVE	Operating curve	O	
OpDITmms	ING	DT/IDMT adder op delay	O	
TmMult	ASG	IDMT delay multiplier	O	
MinOpTmms	ING	Min op delay	O	
MaxOpTmms	ING	Max op delay	O	
RsDITmms	ING	Reset delay	O	
RsvVal	ING	Time to operate alarm value	E	

LN Type: SE_PZSU_STANDARD_PowerLogic_V002**Description:** Zero speed or underspeed

PZSU class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_PZSU_STANDARD_PowerLogic_V002		Zero speed or underspeed	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
Str	ACD	Start	O	
Op	ACT	Operate	O	
Blk	SPS	Blocked	O	
StrVal	ASG	Start value	O	
Measurement and metered values				
FltSpd	MV	Fault speed	E	
Settings				
SetMod	ENG	Function status	E	
StrVal	ASG	Start value	O	
OpDITmms	ING	Operate delay	O	

LN Type: SE_QVVR_VOLVAR_PowerLogic_V001

Description: Voltage Variation

QVVR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_QVVR_VOLVAR_PowerLogic_V001		Voltage Variation	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
DipStr	SPS	Dip	O	
SwlStr	SPS	Swell	O	
IntrStr	SPS	Interruption	O	
DipCnt	INS	Dip counter	E	
SwlCnt	INS	Swell counter	E	
IntrCnt	INS	Interruption counter	E	
AffPhs	ENS	Affected phase	O	
EventType	ENS	Event type	E	
VaStr	SPS	Variation start	O	
VaEnd	SPS	Variation end	O	
Blk	SPS	Blocked	O	
DipStrVal	ASG	Dip start value	O	
SwlStrVal	ASG	Swell start value	O	

QVVR class				
Data object name	Common data class	Description	M/O/E	Remarks
IntrStrVal	ASG	Interruption start value	O	
Measurement and metered values				
VVa	MV	Max variation voltage	O	
Deviation	MV	Deviation	E	
VVaTm	MV	Event duration	O	
Settings				
SetMod	ENG	Function status	E	
MuMod	ENG	Measurement mode	E	
DipStrVal	ASG	Dip start value	O	
SwlStrVal	ASG	Swell start value	O	
IntrStrVal	ASG	Interruption start value	O	
DipDITmms	ING	Dip operating delay	E	
SwlDITmms	ING	Swell operating delay	E	
IntrDITmms	ING	Interruption operating delay	E	

LN Type: SE_RBRF_STANDARD_PowerLogic_V001

Description: Breaker failure

RBRF class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RBRF_STANDARD_PowerLogic_V001		Breaker failure	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Str	ACD	Start	O	
StrA	ACD	Current start value	E	
StrOvPhCur	ACD	Phase current check	E	
StrZCDPhCur	ACD	Zero crossing detector	E	
StrOvNeutCur	SPS	Neutral current check	E	
StrOvl2Cur	SPS	Neg seq current check	E	
OpIn	ACT	Retrip	O	
OpEx	ACT	Backtrip	O	
Blk	SPS	Blocked	O	
DetValA	ASG	Current start value	O	
PhChkValA	ASG	Phase current check value	E	
NeutChkValA	ASG	Neutral current check value	E	
I2ChkValA	ASG	Neg seq current check value	E	
Measurement and metered values				
Settings				
SetMod	ENG	Function status	E	
FailMod	ENG	Breaker fail mode	O	

RBRF class				
Data object name	Common data class	Description	M/O/E	Remarks
ReTripMod	ENG	Retrip	E	
DetValA	ASG	Current start value	O	
PhChkValA	ASG	Phase current check value	E	
NeutChkValA	ASG	Neutral current check value	E	
I2ChkValA	ASG	Neg seq current check value	E	
TPTrTmms	ING	Retrip delay	O	
FailTmms	ING	Backtrip delay	O	
RstTmms	ING	Op reset delay	E	

LN Type: SE_RDIR_EARTH_PowerLogic_V001

Description: Direction of neutral current

RDIR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RDIR_EARTH_PowerLogic_V001		Direction of neutral current	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Dir	ACD	Direction	M	
ChrAng	ASG	Characteristic angle	O	
BlkValV	ASG	Minimum voltage	O	
BlkValA	ASG	Minimum current	O	
Measurement and metered values				
PhiN	MV	φ	E	
Settings				
SetMod	ENG	Function status	E	
ChrAng	ASG	Characteristic angle	O	
PolQty	ENG	Polarization mode	O	
BlkValV	ASG	Minimum voltage	O	
BlkValA	ASG	Minimum current	O	

LN Type: SE_RDIR_NEGSEQ_PowerLogic_V001

Description: Direction of Negative Sequence Overcurrent

RDIR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RDIR_NEGSEQ_PowerLogic_V001		Direction of Negative Sequence Overcurrent	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	

RDIR class				
Data object name	Common data class	Description	M/O/E	Remarks
Status Information				
Dir	ACD	Direction	M	
ChrAng	ASG	Characteristic angle	O	
BlkValV	ASG	Minimum voltage	O	
BlkValA	ASG	Minimum current	O	
BlkValArat	ASG	Minimum ratio of I2/I1	E	
Measurement and metered values				
PhiNPS	MV	φ	E	
Settings				
SetMod	ENG	Function status	E	
ChrAng	ASG	Characteristic angle	O	
BlkValV	ASG	Minimum voltage	O	
BlkValA	ASG	Minimum current	O	
BlkValArat	ASG	Minimum ratio of I2/I1	E	

LN Type: SE_RDIR_PHASE_PowerLogic_V001

Description: Directional element

RDIR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RDIR_PHASE_PowerLogic_V001		Directional element	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Dir	ACD	Direction	M	
Vmem	ACT	Memory voltage active	E	
Vexp	ACT	Memory voltage expired	E	
Vloss	SPS	All voltages low	E	
ChrAng	ASG	Characteristic angle	O	
MinPPV	ASG	Minimum line voltage	O	
BlkValA	ASG	Minimum current	O	
Measurement and metered values				
PhiA	MV	φ A polarizing	E	
PhiB	MV	φ B polarizing	E	
PhiC	MV	φ C polarizing	E	
Settings				
SetMod	ENG	Function status	E	
ChrAng	ASG	Characteristic angle	O	
MinPPV	ASG	Minimum line voltage	O	
BlkValA	ASG	Minimum current	O	

LN Type: SE_RDRE_STANDARD_PowerLogic_V003**Description:** Disturbance recorder function

RDRE class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RDRE_STANDARD_PowerLogic_V003		Disturbance recorder function	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
RcdStr	SPS	Recording started	O	
RcdFinish	SPS	Recording finished	E	
RcdMade	SPS	Recording made	M	
FltNum	INS	Number of records	M	
Measurement and metered values				
MaxRcdTime	MV	Max record time	E	
Settings				
SetMod	ENG	Function status	E	
PreTmms	ING	Pre-trigger time	O	
PstTmms	ING	Post-trigger time	O	
PulTmms	ING	Max pulse time	E	
ReTrgModEx	ENG	Re-trigger mode	E	
StoRteDR	ENG	COMTRADE storage rate	E	
ComtradRev	ENG	COMTRADE file revision	E	
ComtradFmt	ENG	Analogue data format	E	

LN Type: SE_RFLO_STANDARD_PowerLogic_V001**Description:** FaultLocation

RFLO class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RFLO_STANDARD_PowerLogic_V001		FaultLocation	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
FltLoop	ENS	Fault loop	O	
Measurement and metered values				
FltPercent	MV	% of line	E	
FltDiskm	MV	Distance in km	O	
FltDisMile	MV	Distance in miles	E	
FltZ	CMV	Impedance	O	

RFLO class				
Data object name	Common data class	Description	M/O/E	Remarks
Settings				
SetMod	ENG	Fault location	E	

LN Type: SE_RREC_STANDARD_PowerLogic_V001

Description: Recloser

RREC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RREC_STANDARD_PowerLogic_V001		Recloser	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
RecCyc	INS	Current shot	O	
NxtCyc	ENS	Next shot	E	
StrCls	SPS	Close in progress	E	
OpCls	ACT	Close signal	M	
AutoRecSt	ENS	Recloser status	M	
Blk	SPS	Blocked	O	
LckCond	ENS	Lockout status	E	
Rec3PhCntX	INS	Close count	E	
OutServVal	SPS	OOS latch	E	
Measurement and metered values				
Settings				
SetMod	ENG	Function status	E	
UseCyc	ING	Number of shots	O	
Rec3Tmms1	ING	Dead time 1	O	
Rec3Tmms2	ING	Dead time 2	O	
Rec3Tmms3	ING	Dead time 3	O	
Rec3Tmms4	ING	Dead time 4	O	
RclTmms	ING	Reclaim time	O	
SyncChk1	ENG	Synchrocheck shot 1	E	
SyncChk2	ENG	Synchrocheck shot 2	E	
SyncChk3	ENG	Synchrocheck shot 3	E	
SyncChk4	ENG	Synchrocheck shot 4	E	
SyncTmms	ING	Synchrocheck timeout	E	
ManClsTmms	ING	Manual close timeout	E	
CBOpTmms	ING	CB operation timeout	E	
RecStrMod	ENG	Initiate on trip reset	E	

LN Type: SE_RSYN_STANDARD_PowerLogic_V001

Description: Synchronism-check

RSYN class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_RSYN_STANDARD_PowerLogic_V001		Synchronism-check	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
BusDea	SPS	Bus dead	E	
BusLiv	SPS	Bus live	E	
LineDea	SPS	Line dead	E	
LineLiv	SPS	Line live	E	
Str	ACD	Start	E	
Rel	SPS	Release	O	
VInd	SPS	Voltage diff inhibit	O	
HzInd	SPS	Slip inhibit	O	
AngInd	SPS	Angle diff inhibit	O	
BlkOV	SPS	Overvoltage block	E	
Blk	SPS	Blocked	O	
DifV	ASG	Max voltage diff	O	
DifHz	ASG	Max slip	O	
DifAng	ASG	Max angle diff	O	
LivLinVal	ASG	Live line value	O	
LivBusVal	ASG	Live bus value	O	
DeaLinVal	ASG	Dead line value	O	
DeaBusVal	ASG	Dead bus value	O	
BlkVVal	ASG	Overvoltage block	E	
BlkV2Val	ASG	Unbalance block	E	
Measurement and metered values				
DifVClc	MV	Voltage diff	O	
DifHzClc	MV	Slip	O	
DifAngClc	MV	Angle diff	O	
ClsDifVClc	MV	Closing voltage diff	E	
ClsDifHzClc	MV	Closing slip	E	
ClsDifAngClc	MV	Closing angle diff	E	
Settings				
SetMod	ENG	Function status	E	
BayVT	ENG	Bay VT location	E	
PhSel	ENG	Phase selection	E	
OpMod	ENG	Sync check mode	E	
DifV	ASG	Max voltage diff	O	
DifHz	ASG	Max slip	O	
DifAng	ASG	Max angle diff	O	

RSYN class				
Data object name	Common data class	Description	M/O/E	Remarks
OpDITmms	ING	Sync check time	E	
CBTmms	ING	CB closing time	E	
LivDeaMod	ENG	Volt check mode	O	
LivLinVal	ASG	Live line value	O	
LivBusVal	ASG	Live bus value	O	
DeaLinVal	ASG	Dead line value	O	
DeaBusVal	ASG	Dead bus value	O	
DeaTmms	ING	Volt check time	E	
BlkVVal	ASG	Overvoltage block	E	
BlkV2Val	ASG	Unbalance block	E	

LN Type: SE_SCBR_CBL_PowerLogic_V002
Description: Circuit breaker supervision_Light

SCBR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_SCBR_CBL_PowerLogic_V002		Circuit breaker supervision_Light	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
SprTmAlm	SPS	Spring charging time alarm	E	
OpCntWrn	SPS	Operations warning	O	
OpCntAlm	SPS	Operations alarm	O	
TrCntWrn	SPS	Trip count warning	E	
TrCntAlm	SPS	Trip count alarm	E	
ColOpn	SPS	Open success	M	
OpTmOpnWrn	SPS	Open time warning	E	
OpTmOpnAlm	SPS	Open time alarm	O	
ColCls	SPS	Close success	E	
OpTmClsWrn	SPS	Close time warning	E	
OpTmClsAlm	SPS	Close time alarm	O	
NoOpAlm	SPS	Inactivity alarm	E	
ColAlm	SPS	TCS alarm	O	
CColAlm	SPS	CCS alarm	E	
Measurement and metered values				
SprTm	MV	Spring charging time	E	
OpTmOpn	MV	Opening time	O	
OpTmCls	MV	Closing time	O	
NoOpTm	MV	Inactivity time	E	
Settings				
SetMod	ENG	Function status	E	

SCBR class				
Data object name	Common data class	Description	M/O/E	Remarks
SprAlmTm	ING	Spring charging time alarm value	E	
OpWrnNum	ING	Operations warning value	O	
OpAlmNum	ING	Operations alarm value	O	
TrWrnNum	ING	Trip count warning value	E	
TrAlmNum	ING	Trip count alarm value	E	
OpOpnWrnTm	ING	Open time warning value	E	
OpOpnAlmTm	ING	Open time alarm value	E	
OpClsWrnTm	ING	Close time warning value	E	
OpClsAlmTm	ING	Close time alarm value	E	
NoOpAlmTm	ING	Inactivity alarm value	E	
TCSMode	ENG	TCS mode	E	
TCSTmms	ING	TCS operate delay	E	
CCSMode	ENG	CCS mode	E	
CCSTmms	ING	CCS operate delay	E	

LN Type: SE_SCBR_CB_PowerLogic_V003

Description: Circuit breaker supervision

SCBR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_SCBR_CB_PowerLogic_V003		Circuit breaker supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
SprTmAlm	SPS	Spring charging time alarm	E	
AbrWrn	SPS	Abrasion warning	O	
AbrAlm	SPS	Abrasion alarm	O	
OpCntWrn	SPS	Operations warning	O	
OpCntAlm	SPS	Operations alarm	O	
TrCntWrn	SPS	Trip count warning	E	
TrCntAlm	SPS	Trip count alarm	E	
ColOpn	SPS	Open success	M	
OpTmOpnWrn	SPS	Open time warning	E	
OpTmOpnAlm	SPS	Open time alarm	O	
ColCls	SPS	Close success	E	
OpTmClsWrn	SPS	Close time warning	E	
OpTmClsAlm	SPS	Close time alarm	O	
NoOpAlm	SPS	Inactivity alarm	E	
ColAlm	SPS	TCS alarm	O	
CColAlm	SPS	CCS alarm	E	

SCBR class				
Data object name	Common data class	Description	M/O/E	Remarks
SwACff	ASG	Abrasion exponent (y)	E	
AbrWrnLev	ASG	Abrasion warning value	O	
AbrAlmLev	ASG	Abrasion alarm value	O	
Measurement and metered values				
SprTm	MV	Spring charging time	E	
OpTmOpn	MV	Opening time	O	
OpTmCls	MV	Closing time	O	
NoOpTm	MV	Inactivity time	E	
Settings				
SetMod	ENG	Function status	E	
SprAlmTm	ING	Spring charging time alarm value	E	
SwACff	ASG	Abrasion exponent (y)	E	
AbrWrnLev	ASG	Abrasion warning value	O	
AbrAlmLev	ASG	Abrasion alarm value	O	
OpWrnNum	ING	Operations warning value	O	
OpAlmNum	ING	Operations alarm value	O	
TrWrnNum	ING	Trip count warning value	E	
TrAlmNum	ING	Trip count alarm value	E	
OpOpnWrnTm	ING	Open time warning value	E	
OpOpnAlmTm	ING	Open time alarm value	E	
OpClsWrnTm	ING	Close time warning value	E	
OpClsAlmTm	ING	Close time alarm value	E	
NoOpAlmTm	ING	Inactivity alarm value	E	
TCSMode	ENG	TCS mode	E	
TCSTmms	ING	TCS operate delay	E	
CCSMode	ENG	CCS mode	E	
CCSTmms	ING	CCS operate delay	E	

LN Type: SE_SSWI_SW_PowerLogic_V001

Description: Circuit switch supervision

SSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_SSWI_SW_PowerLogic_V001		Circuit switch supervision	M	
Data Objects				
Common Logical Node Information				
NamPit	LPL	NamPit	O	
Beh	ENS	Beh	M	
Status Information				
OpCntWrn	SPS	Operations warning	O	
OpCntAlm	SPS	Operations alarm	O	
OpTmOpnWrn	SPS	Open time warning	E	

SSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
OpTmOpnAlm	SPS	Open time alarm	O	
OpTmClsWrn	SPS	Close time warning	E	
OpTmClsAlm	SPS	Close time alarm	O	
Measurement and metered values				
OpTmOpn	MV	Opening time	O	
OpTmCls	MV	Closing time	O	
Settings				
SetMod	ENG	Function status	E	
OpWrnNum	ING	Operations warning value	O	
OpAlmNum	ING	Operations alarm value	O	
OpOpnWrnTm	ING	Open time warning value	E	
OpOpnAlmTm	ING	Open time alarm value	E	
OpClsWrnTm	ING	Close time warning value	E	
OpClsAlmTm	ING	Close time alarm value	E	

LN Type: SE_STMP_STANDARD_PowerLogic_V001

Description: Temperature supervision

STMP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_STMP_STANDARD_PowerLogic_V001		Temperature supervision	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Alm	SPS	Alarm	O	
Trip	SPS	Trip	O	
Blk	SPS	Blocked	O	
AlmSet	ASG	Alarm value	O	
TripSet	ASG	Trip value	O	
Measurement and metered values				
Tmp	MV	Temperature	O	
FltTmp	MV	Fault θ	E	
Settings				
SetMod	ENG	Function status	E	
TmpLab	VSG	Name	E	
TmpFun	ENG	Function	E	
AlmSet	ASG	Alarm value	O	
TripSet	ASG	Trip value	O	

LN Type: SE_TGSN_CLI_PowerLogic_V002

Description: CLIO input Measurement

TGSN class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TGSN_CLI_PowerLogic_V002		CLIO input Measurement	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
EEHealth	ENS	mA signal health	O	
CLIOFail	ENS	CLIO health	E	
Min	ASG	Output minimum	E	
Max	ASG	Output maximum	E	
Measurement and metered values				
InVal	MV	Measured value	E	
OutVal	MV	Calculated value	E	
Settings				
ChaStatus	ENG	Status	E	
RtgCLI	ENG	Range	E	
Min	ASG	Output minimum	E	
Max	ASG	Output maximum	E	
CLILab	VSG	Label	E	

LN Type: SE_TRTN_STANDARD_PowerLogic_V001

Description: Rotation transmitter

TRTN class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TRTN_STANDARD_PowerLogic_V001		Rotation transmitter	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
ZeroSpd	SPS	Zero speed	E	
PPR	ASG	Pulses per rotation	E	
NomSpd	ASG	Nominal speed	E	
Measurement and metered values				
MotSpd	MV	Machine speed	E	
Slip	MV	Slip rate	E	
Settings				
PPR	ASG	Pulses per rotation	E	
NomSpd	ASG	Nominal speed	E	
ZeroTmms	ING	Zero operate time	E	

LN Type: SE_TTMP_TMP_PowerLogic_V001**Description:** Temperature sensor

TTMP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_TTMP_TMP_PowerLogic_V001		Temperature sensor	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
RTDFail1	ENS	RTD1 health	E	
RTDFail2	ENS	RTD2 health	E	
RTDFail3	ENS	RTD3 health	E	
RTDFail4	ENS	RTD4 health	E	
RTDFail5	ENS	RTD5 health	E	
RTDFail6	ENS	RTD6 health	E	
RTDFail7	ENS	RTD7 health	E	
RTDFail8	ENS	RTD8 health	E	
Measurement and metered values				
MTmp1	MV	RTD1 temperature	E	
MTmp2	MV	RTD2 temperature	E	
MTmp3	MV	RTD3 temperature	E	
MTmp4	MV	RTD4 temperature	E	
MTmp5	MV	RTD5 temperature	E	
MTmp6	MV	RTD6 temperature	E	
MTmp7	MV	RTD7 temperature	E	
MTmp8	MV	RTD8 temperature	E	
Settings				
RTDTyp	ENG	RTD type	E	

LN Type: SE_XCBR_STANDARD_PowerLogic_V003**Description:** Circuit breaker

XCBR class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_XCBR_STANDARD_PowerLogic_V003		Circuit breaker	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
Loc	SPS	Local	M	
Tr	ACT	Trip command	E	
Opn	SPS	Open command	E	

XCBR class				
Data object name	Common data class	Description	M/O/E	Remarks
Cls	SPS	Close command	E	
EEHealth	ENS	Breaker health	O	
OpCnt	INS	Operation count	M	
Blk	SPS	Blocked	O	
Measurement and metered values				
Settings				
SetMod	ENG	Function status	E	
CBAuxM	ENG	Status input	E	
CBCmdM	ENG	Command mode	E	
CBClsTmms	ING	Close pulse time	E	
CBOpTmms	ING	Open pulse time	E	
CBTmms	ING	CB closing time	O	

LN Type: SE_XSWI_STANDARD_PowerLogic_V002

Description: Interlocking

XSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_XSWI_STANDARD_PowerLogic_V002		Interlocking	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
SwTyp	ENS	Switch type	M	
Loc	SPS	Local	M	
SwMOpnDir	SPS	Open direction	E	
SwMClsDir	SPS	Close direction	E	
Opn	SPS	Open command	E	
Cls	SPS	Close command	E	
SwMPwrCtr	SPS	Power contactor	E	
SwMPwrCtrWrn	SPS	Power contactor op fail	E	
SwMPwrCtrAlm	SPS	Power contactor reset fail	E	
EEHealth	ENS	Switch health	O	
OpCnt	INS	Operation count	M	
Blk	SPS	Blocked	O	
Measurement and metered values				
Settings				
SetMod	ENG	Function status	E	
SwTypSet	ENG	Switch type	E	
SwAuxM	ENG	Status input	E	
SwCmdM	ENG	Command mode	E	
SwClsTmms	ING	Close time	E	

XSWI class				
Data object name	Common data class	Description	M/O/E	Remarks
SwOpnTmms	ING	Open time	E	
SwMotCtlEna	ENG	Direct motor control	E	
SwMOpDITmms	ING	Motor op delay	E	
SwMRsDITmms	ING	Motor reset delay	E	
SwMOpTmOut	ING	Motor control timeout	E	

LN Type: SE_YLTC_STANDARD_PowerLogic_V001

Description: Tap Changer

YLTC class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_YLTC_STANDARD_PowerLogic_V001		Tap Changer	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
OpCnt	INS	Operation count	O	
EndPosR	SPS	Highest position reached	M	
EndPosL	SPS	Lowest position reached	M	
PosHlth	ENS	Position health	E	
Raise	SPS	Raise command	E	
Lower	SPS	Lower command	E	
EEHealth	ENS	Tap changer health	O	
Loc	SPS	Local	O	
LockKey	SPS	TCC local input status	O	
Blk	SPS	Blocked	O	
BlkRaise	SPS	Raise blocked	E	
BlkLower	SPS	Lower blocked	E	
CtlPrg	SPS	Control in progress	E	
IntvBlk	SPS	Intertap block	E	
OpTmTapWrn	SPS	Op time warning	E	
OpCntWrn	SPS	Op count warning	E	
OpCntRte	INS	Operation rate	E	
OpCntRteWrn	SPS	Op rate warning	E	
CmdBlkVal	SPS	OB latch	E	
ManCmdBlkVal	SPS	Man OB latch	E	
AutoCmdBlkVI	SPS	Auto OB latch	E	
Measurement and metered values				
OpTmTap	MV	Operation time	E	
Settings				
SetMod	ENG	Function status	E	

YLTC class				
Data object name	Common data class	Description	M/O/E	Remarks
LRChk	SPG	L/R check	E	
IndpOp	SPG	Independent operation	E	
PulseTmms	ING	Pulse time	E	
IntertapTmms	ING	Intertap delay	E	
TPIType	ENG	TPI type	E	
TPITmms	ING	TPI time	E	
OpTmWrnTmms	ING	Operation time warning value	E	
OpWrnNum	ING	Operation count warning value	E	
OpRteWrnNum	ING	Operation rate warning value	E	
OpCntRteTmh	ING	Operation rate interval	E	

LN Type: SE_ZBAT_STANDARD_PowerLogic_V001

Description: Battery

ZBAT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ZBAT_STANDARD_PowerLogic_V001		Battery	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
BatOK	SPS	Voltage OK	E	
BatLo	SPS	Low alarm	O	
BatLoLo	SPS	Low low alarm	E	
BatHi	SPS	High alarm	O	
BatHiHi	SPS	High high alarm	E	
Blk	SPS	Blocked	O	
NomBatVol	ASG	Nominal DC	E	
LoBatVol	ASG	Low alarm value	O	
LoLoBatVol	ASG	Low low alarm value	E	
HiBatVol	ASG	High alarm value	O	
HiHiBatVol	ASG	High high alarm value	E	
Measurement and metered values				
Vol	MV	Auxiliary voltage	O	
Settings				
SetMod	ENG	Function status	E	
NomBatVol	ASG	Nominal DC	E	
LoBatVol	ASG	Low alarm value	O	
LoLoBatVol	ASG	Low low alarm value	E	
HiBatVol	ASG	High alarm value	O	
HiHiBatVol	ASG	High high alarm value	E	

LN Type: SE_ZCAP_STANDARD_PowerLogic_V002**Description:** Capacitor Bank

ZCAP class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ZCAP_STANDARD_PowerLogic_V002		Capacitor Bank	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	M	
Status Information				
DschBlk	SPS	Block closing	M	
HrRunAlm1	SPS	Hour run alarm 1	E	
HrRunAlm2	SPS	Hour run alarm 2	E	
Blk	SPS	Blocked	O	
CapDS	SPS	Switch status	O	
Measurement and metered values				
BlkTms	MV	Reset time	E	
Settings				
SetMod	ENG	Function status	E	
RecDITms	ING	Reclose inhibit time	E	
HrRAIm1Val	ING	Hours run alarm 1 value	E	
HrRAIm2Val	ING	Hours run alarm 2 value	E	

LN Type: SE_ZMOT_STANDARD_PowerLogic_V003**Description:** Motor

ZMOT class				
Data object name	Common data class	Description	M/O/E	Remarks
SE_ZMOT_STANDARD_PowerLogic_V003		Motor	M	
Data Objects				
Common Logical Node Information				
NamPlt	LPL	NamPlt	O	
Beh	ENS	Beh	O	
Status Information				
MotSt	ENS	Motor Status	O	
HrRunAlm1	SPS	Hour run alarm 1	E	
HrRunAlm2	SPS	Hour run alarm 2	E	
NbStrAlm	SPS	Start number alarm	E	
ReAccOp	SPS	Reacceleration active	E	
StrCurVal	ASG	Start value (xFLA)	E	
ReAccVVal	ASG	Reacceleration voltage	E	
ReStoVVal	ASG	Restoration voltage	E	
Measurement and metered values				
StrCurrent	MV	Start current	E	

ZMOT class				
Data object name	Common data class	Description	M/O/E	Remarks
StrTime	MV	Start time	E	
Settings				
SetMod	ENG	Function status	E	
StrCurVal	ASG	Start value (xFLA)	E	
HrRAIm1Val	ING	Hours run alarm 1 value	E	
HrRAIm2Val	ING	Hours run alarm 2 value	E	
NbStrAlmVal	ING	Start number alarm value	E	
ReAccTmSt	ENG	Reacceleration status	E	
ReAccVVal	ASG	Reacceleration voltage	E	
ReStoVVal	ASG	Restoration voltage	E	

Enum types extensions

New Enum types

New enum types are listed in this clause.

SE_ENUM_CUNBOPMOD_PowerLogic_V001

Value	Description	Remarks
0	DoubleStar	
1	HBridge	

SE_ENUM_LANGUAGE_PowerLogic_V002

Value	Description	Remarks
0	en-US	
1	fr-FR	
2	zh-CN	
3	de-DE	
4	es-ES	
6	pl-PL	
7	hu-HU	

SE_ENUM_PHSEL_PowerLogic_V001

Value	Description	Remarks
0	VA	
1	VB	
2	VC	
3	VAB	
4	VBC	
5	VCA	
6	3VPN	
7	3VPP	

SE_ENUM_REDMOD_PowerLogic_V001

Value	Description	Remarks
0	PRP	
1	HSR	
2	RSTP	
3	Failover	

SE_ENUM_STORTE_PowerLogic_V001

Value	Description	Remarks
0	14400	
1	4800	
2	2400	
3	1200	
4	600	

SE_ENUM_TMOD_PowerLogic_V001

Value	Description	Remarks
0	Star	
1	Auto	
3	4wire	

SE_ENUM_2A20A_PowerLogic_V001

Value	Description	Remarks
0	2A	
1	20A	

SE_ENUM_ACKMODE_PowerLogic_V001

Value	Description	Remarks
0	Single char E5	
1	Short msg FT1.2	

SE_ENUM_ADMITOPMODE_PowerLogic_V001

Value	Description	Remarks
0	YN	
1	BN	
2	GN	
3	YN+BN	
4	YN+GN	
5	BN+GN	
6	YN+BN+GN	

SE_ENUM_ALMCAT_PowerLogic_V001

Value	Description	Remarks
1	power-system	
2	monitored-device	
3	transducers	
4	ied	

SE_ENUM_ALMSTATUS_PowerLogic_V001

Value	Description	Remarks
0	not-used	
1	none	
2	act-not-ack	
3	act-ack	
4	not-act-not-ack	
5	not-act-ack	

SE_ENUM_APPLCFMMODE_PowerLogic_V001

Value	Description	Remarks
0	EvOnly	
1	All	

SE_ENUM_ASDU6TMMOD_PowerLogic_V001

Value	Description	Remarks
0	Sync	
1	Sync + Porc	
2	Msg	
3	Msg + Proc	

SE_ENUM_ActSGMatrix_PowerLogic_V001

Value	Description	Remarks
0	not used	
1	active	
2	invalid	

SE_ENUM_ActiveZone_PowerLogic_V001

Value	Description	Remarks
0	NONE	
1	ZONE1	
2	ZONE2	
3	ZONE3	
4	ZONE4	
5	ZONE5	
6	ZONE6	
7	ZONE7	
8	ZONE8	
9	BLOCKED	

SE_ENUM_AlarmStatusKind_PowerLogic_V001

Value	Description	Remarks
0	norm	
1	unack	
4	lunack	

SE_ENUM_BAYVT_PowerLogic_V001

Value	Description	Remarks
0	Bus	
1	Line	

SE_ENUM_BBOPMod_PowerLogic_V001

Value	Description	Remarks
0	3ph	
1	Aph	
2	Bph	

Value	Description	Remarks
3	Cph	
4	Nph	

SE_ENUM_BBSupMod_PowerLogic_V001

Value	Description	Remarks
0	OFF	
1	BLOCK	
2	INDICATION	
3	LATCHED	

SE_ENUM_BBTERMINAL_PowerLogic_V001

Value	Description	Remarks
0	NO_CT	
1	NORMAL	
2	INVERTED	

SE_ENUM_BUSVT_PowerLogic_V001

Value	Description	Remarks
0	VX	
1	VY	

SE_ENUM_CBAUX_PowerLogic_V001

Value	Description	Remarks
0	None	
1	52A	
2	52B	
3	Both	

SE_ENUM_CCSSCBR_PowerLogic_V001

Value	Description	Remarks
0	Off	
1	On	
2	BlockByState	
3	BlockByClose	

SE_ENUM_CIDVALID_PowerLogic_V001

Value	Description	Remarks
0	Not-Existing	
1	Not-Validated	
2	Invalid	

SE_ENUM_CLIOConnection_PowerLogic_V001

Value	Description	Remarks
1	Normal	
2	NoPresent	
3	TimeOut	

SE_ENUM_CLIO_PowerLogic_V001

Value	Description	Remarks
1	0-1mA	
2	4-20mA	
3	0-20mA	
4	0-10mA	

SE_ENUM_CLI_PowerLogic_V001

Value	Description	Remarks
1	0-1mA	
2	4-20mA	
3	0-20mA	
4	0-10mA	
5	4-22mA	

SE_ENUM_CLOCKSYNCLOCKING_PowerLogic_V001

Value	Description	Remarks
1	Locked	
5	Unlocked	

SE_ENUM_CLPUGAPC_PowerLogic_V001

Value	Description	Remarks
0	CB Open position	
1	No current	
2	Binary Input	

SE_ENUM_CMDCF_PowerLogic_V001

Value	Description	Remarks
0	Dwell	
1	Status Reset	

SE_ENUM_COMTRADFMT_PowerLogic_V001

Value	Description	Remarks
1	Binary	
3	Float32	

SE_ENUM_COMTRADREV_PowerLogic_V001

Value	Description	Remarks
3	2013Cff	

SE_ENUM_CONMOD_PowerLogic_V001

Value	Description	Remarks
1	Single Phase	
2	Phase-Phase	

SE_ENUM_CSH30ENABLE_PowerLogic_V001

Value	Description	Remarks
0	Off	
1	On	

SE_ENUM_CSHCTCONSP_PowerLogic_V001

Value	Description	Remarks
7	Nph	

SE_ENUM_CTCONSP_PowerLogic_V001

Value	Description	Remarks
4	Aph	
5	Bph	
6	Cph	
7	Nph	

SE_ENUM_CTCONSUM_PowerLogic_V001

Value	Description	Remarks
8	CT1+CT2	
9	CT1+CT2+CT3	
10	CT1+CT2+CT3+CT4	

SE_ENUM_CTCON_PowerLogic_V001

Value	Description	Remarks
0	3ph	
1	3ph+N	
2	2ph	
3	2ph+N	

SE_ENUM_CTLCHKLEV_PowerLogic_V001

Value	Description	Remarks
0	Low	
1	Medium	
2	High	

SE_ENUM_CTPOLARITY_PowerLogic_V001

Value	Description	Remarks
0	Standard	
1	Opposite	

SE_ENUM_CTSOPMOD_PowerLogic_V001

Value	Description	Remarks
1	IN/UN	
2	3I	
3	both	

SE_ENUM_CURVEOVSTD_PowerLogic_V001

Value	Description	Remarks
-21	IEC OV	
5	ANSI Definite Time	

SE_ENUM_CURVEPVPH_PowerLogic_V001

Value	Description	Remarks
5	ANSI Definite Time	
-23	VHZYPEA_INVERSE	
-24	VHZYPEB_INVERSE	
-25	VHZYPEC_INVERSE	

SE_ENUM_CURVEUVSTD_PowerLogic_V001

Value	Description	Remarks
-22	IEC UV	
5	ANSI Definite Time	

SE_ENUM_ClientActive_PowerLogic_V001

Value	Description	Remarks
0	notApplicable	
1	active	
2	inactive	

SE_ENUM_ConnectedZone_PowerLogic_V001

Value	Description	Remarks
0	Z_____	
1	Z1_____	
2	Z_2_____	
3	Z12_____	
4	Z_3_____	
5	Z1_3_____	
6	Z_23_____	
7	Z123_____	
8	Z__4_____	
9	Z1_4_____	
10	Z_2_4_____	
11	Z12_4_____	
12	Z__34_____	
13	Z1_34_____	
14	Z_234_____	

Value	Description	Remarks
15	Z1234__	
16	Z__5__	
17	Z1__5__	
18	Z_2_5__	
19	Z12_5__	
20	Z__3_5__	
21	Z1_3_5__	
22	Z_23_5__	
23	Z123_5__	
24	Z__45__	
25	Z1__45__	
26	Z_2_45__	
27	Z12_45__	
28	Z__345__	
29	Z1_345__	
30	Z_2345__	
31	Z12345__	
32	Z____6__	
33	Z1____6__	
34	Z_2__6__	
35	Z12__6__	
36	Z__3__6__	
37	Z1_3__6__	
38	Z_23__6__	
39	Z123__6__	
40	Z__4_6__	
41	Z1__4_6__	
42	Z_2_4_6__	
43	Z12_4_6__	
44	Z__34_6__	
45	Z1_34_6__	
46	Z_234_6__	
47	Z1234_6__	
48	Z____56__	
49	Z1____56__	
50	Z_2__56__	
51	Z12__56__	
52	Z__3_56__	
53	Z1_3_56__	
54	Z_23_56__	
55	Z123_56__	
56	Z__456__	

Value	Description	Remarks
57	Z1__456__	
58	Z_2_456__	
59	Z12_456__	
60	Z__3456__	
61	Z1_3456__	
62	Z_23456__	
63	Z123456__	
64	Z____7_	
65	Z1____7_	
66	Z_2____7_	
67	Z12____7_	
68	Z__3____7_	
69	Z1_3____7_	
70	Z_23____7_	
71	Z123____7_	
72	Z__4__7_	
73	Z1__4__7_	
74	Z_2__4__7_	
75	Z12__4__7_	
76	Z__34__7_	
77	Z1_34__7_	
78	Z_234__7_	
79	Z1234__7_	
80	Z____5_7_	
81	Z1____5_7_	
82	Z_2____5_7_	
83	Z12____5_7_	
84	Z__3____5_7_	
85	Z1_3____5_7_	
86	Z_23____5_7_	
87	Z123____5_7_	
88	Z____45_7_	
89	Z1__45_7_	
90	Z_2__45_7_	
91	Z12__45_7_	
92	Z__345_7_	
93	Z1_345_7_	
94	Z_2345_7_	
95	Z12345_7_	
96	Z____67_	
97	Z1____67_	
98	Z_2____67_	

Value	Description	Remarks
99	Z12__67_	
100	Z__3__67_	
101	Z1_3__67_	
102	Z__23__67_	
103	Z123__67_	
104	Z__4__67_	
105	Z1__4__67_	
106	Z__2_4__67_	
107	Z12_4__67_	
108	Z__34__67_	
109	Z1_34__67_	
110	Z__234__67_	
111	Z1234__67_	
112	Z____567_	
113	Z1____567_	
114	Z__2____567_	
115	Z12____567_	
116	Z__3____567_	
117	Z1_3____567_	
118	Z__23____567_	
119	Z123____567_	
120	Z____4567_	
121	Z1____4567_	
122	Z__2____4567_	
123	Z12____4567_	
124	Z__34567_	
125	Z1_34567_	
126	Z__234567_	
127	Z1234567_	
128	Z____8	
129	Z1____8	
130	Z__2____8	
131	Z12____8	
132	Z__3____8	
133	Z1_3____8	
134	Z__23____8	
135	Z123____8	
136	Z__4____8	
137	Z1__4____8	
138	Z__2_4____8	
139	Z12_4____8	
140	Z__34____8	

Value	Description	Remarks
141	Z1_34__8	
142	Z_234__8	
143	Z1234__8	
144	Z____5__8	
145	Z1____5__8	
146	Z_2____5__8	
147	Z12____5__8	
148	Z__3____5__8	
149	Z1_3____5__8	
150	Z_23____5__8	
151	Z123____5__8	
152	Z____45__8	
153	Z1____45__8	
154	Z_2____45__8	
155	Z12____45__8	
156	Z__345__8	
157	Z1_345__8	
158	Z_2345__8	
159	Z12345__8	
160	Z____6__8	
161	Z1____6__8	
162	Z_2____6__8	
163	Z12____6__8	
164	Z__3____6__8	
165	Z1_3____6__8	
166	Z_23____6__8	
167	Z123____6__8	
168	Z____4__6__8	
169	Z1____4__6__8	
170	Z_2____4__6__8	
171	Z12____4__6__8	
172	Z__34____6__8	
173	Z1_34____6__8	
174	Z_234____6__8	
175	Z1234____6__8	
176	Z____56__8	
177	Z1____56__8	
178	Z_2____56__8	
179	Z12____56__8	
180	Z__3____56__8	
181	Z1_3____56__8	
182	Z_23____56__8	

Value	Description	Remarks
183	Z123_56_8	
184	Z__456_8	
185	Z1__456_8	
186	Z_2_456_8	
187	Z12_456_8	
188	Z__3456_8	
189	Z1_3456_8	
190	Z_23456_8	
191	Z123456_8	
192	Z_____78	
193	Z1_____78	
194	Z_2_____78	
195	Z12_____78	
196	Z__3____78	
197	Z1_3____78	
198	Z_23____78	
199	Z123____78	
200	Z__4__78	
201	Z1__4__78	
202	Z_2_4__78	
203	Z12_4__78	
204	Z__34__78	
205	Z1_34__78	
206	Z_234__78	
207	Z1234__78	
208	Z_____5_78	
209	Z1_____5_78	
210	Z_2____5_78	
211	Z12____5_78	
212	Z__3____5_78	
213	Z1_3____5_78	
214	Z_23____5_78	
215	Z123____5_78	
216	Z__45_78	
217	Z1__45_78	
218	Z_2_45_78	
219	Z12_45_78	
220	Z__345_78	
221	Z1_345_78	
222	Z_2345_78	
223	Z12345_78	
224	Z_____678	

Value	Description	Remarks
225	Z1___678	
226	Z_2___678	
227	Z12___678	
228	Z__3___678	
229	Z1_3___678	
230	Z_23___678	
231	Z123___678	
232	Z___4___678	
233	Z1__4___678	
234	Z_2_4___678	
235	Z12_4___678	
236	Z__34___678	
237	Z1_34___678	
238	Z_234___678	
239	Z1234___678	
240	Z___5678	
241	Z1___5678	
242	Z_2___5678	
243	Z12___5678	
244	Z__3___5678	
245	Z1_3___5678	
246	Z_23___5678	
247	Z123___5678	
248	Z___45678	
249	Z1__45678	
250	Z_2_45678	
251	Z12_45678	
252	Z__345678	
253	Z1_345678	
254	Z_2345678	
255	Z12345678	

SE_ENUM_DATEFORMAT_PowerLogic_V001

Value	Description	Remarks
1	DD/MM/YYYY	
2	YYYY/MM/DD	
3	MM/DD/YYYY	

SE_ENUM_DEFVARAIEVT_PowerLogic_V001

Value	Description	Remarks
1	32-bit without time	
2	16-bit without time	
3	32-bit with time	

Value	Description	Remarks
4	16-bit with time	
5	Single precision	

SE_ENUM_DEFVARAI_PowerLogic_V001

Value	Description	Remarks
1	32-bit with flag	
2	16-bit with flag	
3	32-bit without flag	
4	16-bit without flag	
5	Single precision	

SE_ENUM_DEFVARBIBODBI_PowerLogic_V001

Value	Description	Remarks
1	Packed	
2	With flags	

SE_ENUM_DEFVARBIDBIEVT_PowerLogic_V001

Value	Description	Remarks
1	Without time	
2	With absolute time	

SE_ENUM_DEFVARCNTR_PowerLogic_V001

Value	Description	Remarks
1	32-bit with flag	
2	16-bit with flag	
5	32-bit without flag	
6	16-bit without flag	

SE_ENUM_DIRBLK_PowerLogic_V001

Value	Description	Remarks
0	No Action	
1	Blocking	
2	No Direct	

SE_ENUM_DIVTYPE_PowerLogic_V001

Value	Description	Remarks
0	Not Used	
1	24V DC	
2	48V DC	
3	110V DC	
4	220V DC	
5	220V AC	
6	TCS	

SE_ENUM_DMTSTAT_PowerLogic_V001

Value	Description	Remarks
0	disabled	
1	multiple-of-current	
2	time	

SE_ENUM_DRFILTER_PowerLogic_V001

Value	Description	Remarks
1	HTTPS	
2	MMS	
3	DNP3	
4	Modbus	
5	AllProtocols	

SE_ENUM_DSTWEEK_PowerLogic_V001

Value	Description	Remarks
1	First	
2	Second	
3	Third	
4	Fourth	
5	Last	

SE_ENUM_ECHOMOD_PowerLogic_V001

Value	Description	Remarks
0	Yes	
1	No	

SE_ENUM_ENADISA_PowerLogic_V001

Value	Description	Remarks
0	Disable	
1	Enable	

SE_ENUM_ETHFRAME_PowerLogic_V001

Value	Description	Remarks
1	EthernetII	
2	802.3	
3	auto	

SE_ENUM_ETHLNKSPD_PowerLogic_V001

Value	Description	Remarks
1	10HD	
2	10FD	
3	100HD	
4	100FD	
5	auto	

SE_ENUM_EVENTTYPE_PowerLogic_V001

Value	Description	Remarks
1	Dip	
2	Swell	
3	Interruption	

SE_ENUM_FAILOVERPORT_PowerLogic_V001

Value	Description	Remarks
0	PRIMARY	
1	STANDBY	

SE_ENUM_FEEDMOD_PowerLogic_V001

Value	Description	Remarks
0	Incomer	
1	Outgoing	

SE_ENUM_FKMod_PowerLogic_V001

Value	Description	Remarks
1	Pulse	
2	Toggle	
3	Disabled	

SE_ENUM_FRMPAR_PowerLogic_V001

Value	Description	Remarks
0	None	
1	Even	
2	Odd	

SE_ENUM_GENMOD_PowerLogic_V001

Value	Description	Remarks
1	3PH	
2	1PH	
3	BOTH	

SE_ENUM_GNDDETMODNS_PowerLogic_V001

Value	Description	Remarks
1	IN or VN	
2	IN and VN	

SE_ENUM_GNDPHPRIO_PowerLogic_V001

Value	Description	Remarks
1	A-B-C cyclic	
2	C-B-A cyclic	
3	C before A acyclic	
4	A before C acyclic	

Value	Description	Remarks
5	B before A acyclic	
6	A before B acyclic	
7	C before B acyclic	
8	B before C acyclic	

SE_ENUM_GNDSYS_PowerLogic_V001

Value	Description	Remarks
1	Low-impedance	
2	Isolated	
3	Compensated	

SE_ENUM_GOOSEPUBITF_PowerLogic_V001

Value	Description	Remarks
0	None	
1	RedInterface	
2	SigInterface	

SE_ENUM_HARMBLK_PowerLogic_V001

Value	Description	Remarks
0	Off	
1	On	
2	Cross	

SE_ENUM_HEALTHISM_PowerLogic_V001

Value	Description	Remarks
0	Not fitted	
1	Ok	
2	Warning	
3	Alarm	

SE_ENUM_HMITYPE_PowerLogic_V001

Value	Description	Remarks
0	NO HMI	
1	LHMI	
2	DHMI	

SE_ENUM_ICONCOLOR_PowerLogic_V001

Value	Description	Remarks
0	Blue and Darkgray	
1	Blue and Green	
2	Green and Blue	
3	Green and Darkgray	
4	Darkgray and Green	
5	Darkgray and Blue	

SE_ENUM_IEDMOD_PowerLogic_V001

Value	Description	Remarks
0	Boot	
1	Safe	
2	Default	
3	Normal	

SE_ENUM_INTFRNUM_PowerLogic_V001

Value	Description	Remarks
1	RedundantEthernet	
2	SingleEthernet	

SE_ENUM_INVERSED_PowerLogic_V001

Value	Description	Remarks
0	normal	
1	inversed	

SE_ENUM_IPFILTER_CIDR_PowerLogic_V001

Value	Description	Remarks
1	/1	
2	/2	
3	/3	
4	/4	
5	/5	
6	/6	
7	/7	
8	/8	
9	/9	
10	/10	
11	/11	
12	/12	
13	/13	
14	/14	
15	/15	
16	/16	
17	/17	
18	/18	
19	/19	
20	/20	
21	/21	
22	/22	
23	/23	
24	/24	
25	/25	
26	/26	
27	/27	

Value	Description	Remarks
28	/28	
29	/29	
30	/30	
31	/31	
32	/32	

SE_ENUM_IRIGBSTATUS_PowerLogic_V001

Value	Description	Remarks
1	OK	
2	Faulty	
3	Not Used	

SE_ENUM_LASTRIS_PowerLogic_V001

Value	Description	Remarks
0	RTD1	
1	RTD2	
2	CLIO	

SE_ENUM_LATCHED_PowerLogic_V001

Value	Description	Remarks
0	unlatched	
1	latched	

SE_ENUM_LBMODE_PowerLogic_V001

Value	Description	Remarks
0	disabled	
1	setting	
2	logic-input	

SE_ENUM_LCDBACKLIGHT_PowerLogic_V001

Value	Description	Remarks
1	1	
2	2	
3	3	
4	4	

SE_ENUM_LCDTIMEOUT_PowerLogic_V002

Value	Description	Remarks
0	Never	
1	1Minute	
5	5Minutes	
10	10Minutes	
30	30Minutes	
60	1Hour	

SE_ENUM_LEDPRIO_PowerLogic_V001

Value	Description	Remarks
1	red	
2	green	

SE_ENUM_LEDSTATUS_PowerLogic_V001

Value	Description	Remarks
0	off	
1	red	
2	yellow	
3	green	

SE_ENUM_LEDSTA_PowerLogic_V001

Value	Description	Remarks
1	steady	
2	flashing	

SE_ENUM_LHMIHEALTH_PowerLogic_V001

Value	Description	Remarks
1	Online	
2	Offline	

SE_ENUM_LINEDIFFMOD_PowerLogic_V001

Value	Description	Remarks
0	Normal	
1	InZone Transformer	

SE_ENUM_LISTCID_PowerLogic_V001

Value	Description	Remarks
1	CID1	
2	CID2	

SE_ENUM_LNKCFMMODE_PowerLogic_V001

Value	Description	Remarks
0	never	
1	sometimes	
2	always	

SE_ENUM_LNKIDLEST_PowerLogic_V001

Value	Description	Remarks
0	Off	
1	On	

SE_ENUM_LOCKCOND_PowerLogic_V001

Value	Description	Remarks
0	Not locked	
1	Max cycles	
2	Trip not configured	
3	CB Close failed	
4	CB CIs cond not reached	
5	Blocked by synchrocheck	
6	Blocked by input	
7	Blocked by CB Open	

SE_ENUM_LOCREM_PowerLogic_V001

Value	Description	Remarks
0	Remote	
1	Local	

SE_ENUM_LSOPERATOR_PowerLogic_V001

Value	Description	Remarks
0	or	
1	and	

SE_ENUM_MEASTYPEGF_PowerLogic_V001

Value	Description	Remarks
0	FFT	
1	RMS	

SE_ENUM_MEASTYPEHIZ_PowerLogic_V001

Value	Description	Remarks
0	FFT	
1	PEAKPEAK	

SE_ENUM_MEASTYPE_PowerLogic_V001

Value	Description	Remarks
0	FFT	
1	RMS	
2	FFT-I0	

SE_ENUM_METTYPE_PowerLogic_V001

Value	Description	Remarks
2	Pt100	
3	Ni100	
4	Ni120	

SE_ENUM_MINVMOD_PowerLogic_V001

Value	Description	Remarks
1	Off	
2	Not Splited	
3	Splited	

SE_ENUM_MUMODPVPH_PowerLogic_V001

Value	Description	Remarks
0	Ph Ph	
1	Ph N	
2	Ph N - V0	

SE_ENUM_MUMOD_PowerLogic_V001

Value	Description	Remarks
0	Ph Ph	
1	Ph N	

SE_ENUM_NDSCOM_PowerLogic_V001

Value	Description	Remarks
0	None	
1	Needs-Commissioning	
2	Commissioned	

SE_ENUM_NODETYPE_PowerLogic_V001

Value	Description	Remarks
0	DAN	
1	DANF	
2	REDBOX	

SE_ENUM_NXTCYC_PowerLogic_V001

Value	Description	Remarks
0	No Cycle	
1	Cycle 1	
2	Cycle 2	
3	Cycle 3	
4	Cycle 4	

SE_ENUM_OFF_PowerLogic_V001

Value	Description	Remarks
0	Off	

SE_ENUM_ONOFF_PowerLogic_V001

Value	Description	Remarks
0	Off	
1	On	

SE_ENUM_OPCHARWATTEARTH_PowerLogic_V001

Value	Description	Remarks
0	Io.cos(phi)	
1	Io.sin(phi)	
2	Vo.Io.cos(phi)	

SE_ENUM_OPERATINGMODE_PowerLogic_V001

Value	Description	Remarks
0	boot	
1	maintenance	
2	operational	
3	failure	

SE_ENUM_OPERATIONTYPE_PowerLogic_V001

Value	Description	Remarks
0	Phase	
1	Ground	

SE_ENUM_OPMODWATTEARTH_PowerLogic_V001

Value	Description	Remarks
1	IN	
2	IN cos(phi)	
3	PN	

SE_ENUM_OPSPD_PowerLogic_V001

Value	Description	Remarks
1	Set	
2	Negotiated	

SE_ENUM_OPSTAT_PowerLogic_V001

Value	Description	Remarks
0	1/3	
1	2/3	

SE_ENUM_OperStatus_PowerLogic_V001

Value	Description	Remarks
0	Initialize	
1	Success	
2	Failed	

SE_ENUM_OperType_PowerLogic_V001

Value	Description	Remarks
0	SelectWithValue	
1	Select	
2	Operate	
3	Cancel	
4	ActiveSG	

Value	Description	Remarks
5	EditSG	
6	ConfirmEditSG	
7	GoEna	
8	SvEna	
9	EditSettingValue	
10	Freeze	
11	FreezeRst	
12	DynamicTest	
13	Unknown	

SE_ENUM_PHROT_PowerLogic_V001

Value	Description	Remarks
1	ABC	
2	ACB	

SE_ENUM_POLMOD_PowerLogic_V001

Value	Description	Remarks
0	ResidualVoltage	
1	NegativeSequence	

SE_ENUM_PORTSTATUS_PowerLogic_V001

Value	Description	Remarks
0	DISABLED	
1	DISCARDING	
2	FORWARDING	

SE_ENUM_POWERMOD_PowerLogic_V001

Value	Description	Remarks
1	Supply	
2	Demand	

SE_ENUM_PROGOPMOD_PowerLogic_V001

Value	Description	Remarks
0	Direct	
1	Sum	
2	Diff	
3	Rev Diff	
4	Abs Diff	
5	Multiply	
6	Divide	
7	Swap Divide	

SE_ENUM_PROGREFER_PowerLogic_V001

Value	Description	Remarks
0	Fixed	
1	Variable	

SE_ENUM_PROGSTRMOD_PowerLogic_V001

Value	Description	Remarks
0	None	
1	Over	
2	Under	

SE_ENUM_PROTVAR_PowerLogic_V001

Value	Description	Remarks
0	Compatible	

SE_ENUM_PRPSTATUS_PowerLogic_V001

Value	Description	Remarks
0	HUB	
1	SWITCH	
2	HSR	
3	PRP	
4	RSTP	
5	PORT_A	
6	PORT_B	
7	OFF	

SE_ENUM_PSBMOD_PowerLogic_V001

Value	Description	Remarks
1	Off	
2	On	
3	Timed	

SE_ENUM_PTPCLKACC_PowerLogic_V001

Value	Description	Remarks
0	Reserved 1	
1	Reserved 2	
2	Reserved 3	
3	Reserved 4	
4	Reserved 5	
5	Reserved 6	
6	Reserved 7	
7	Reserved 8	
8	Reserved 9	
9	Reserved 10	
10	Reserved 11	
11	Reserved 12	
12	Reserved 13	

Value	Description	Remarks
13	Reserved 14	
14	Reserved 15	
15	Reserved 16	
16	Reserved 17	
17	Reserved 18	
18	Reserved 19	
19	Reserved 20	
20	Reserved 21	
21	Reserved 22	
22	Reserved 23	
23	Reserved 24	
24	Reserved 25	
25	Reserved 26	
26	Reserved 27	
27	Reserved 28	
28	Reserved 29	
29	Reserved 30	
30	Reserved 31	
31	Reserved 32	
32	<25ns	
33	<100ns	
34	<250ns	
35	<1us	
36	<2.5us	
37	<10us	
38	<25us	
39	<100us	
40	<250us	
41	<1ms	
42	<2.5ms	
43	<10ms	
44	<25ms	
45	<100ms	
46	<250ms	
47	<1s	
48	<10s	
49	>10s	
50	Reserved 33	
51	Reserved 34	
52	Reserved 35	
53	Reserved 36	
54	Reserved 37	
55	Reserved 38	
56	Reserved 39	
57	Reserved 40	
58	Reserved 41	

Value	Description	Remarks
59	Reserved 42	
60	Reserved 43	
61	Reserved 44	
62	Reserved 45	
63	Reserved 46	
64	Reserved 47	
65	Reserved 48	
66	Reserved 49	
67	Reserved 50	
68	Reserved 51	
69	Reserved 52	
70	Reserved 53	
71	Reserved 54	
72	Reserved 55	
73	Reserved 56	
74	Reserved 57	
75	Reserved 58	
76	Reserved 59	
77	Reserved 60	
78	Reserved 61	
79	Reserved 62	
80	Reserved 63	
81	Reserved 64	
82	Reserved 65	
83	Reserved 66	
84	Reserved 67	
85	Reserved 68	
86	Reserved 69	
87	Reserved 70	
88	Reserved 71	
89	Reserved 72	
90	Reserved 73	
91	Reserved 74	
92	Reserved 75	
93	Reserved 76	
94	Reserved 77	
95	Reserved 78	
96	Reserved 79	
97	Reserved 80	
98	Reserved 81	
99	Reserved 82	
100	Reserved 83	
101	Reserved 84	
102	Reserved 85	
103	Reserved 86	
104	Reserved 87	

Value	Description	Remarks
105	Reserved 88	
106	Reserved 89	
107	Reserved 90	
108	Reserved 91	
109	Reserved 92	
110	Reserved 93	
111	Reserved 94	
112	Reserved 95	
113	Reserved 96	
114	Reserved 97	
115	Reserved 98	
116	Reserved 99	
117	Reserved 100	
118	Reserved 101	
119	Reserved 102	
120	Reserved 103	
121	Reserved 104	
122	Reserved 105	
123	Reserved 106	
124	Reserved 107	
125	Reserved 108	
126	Reserved 109	
127	Reserved 110	
128	For use by alternate PTP profiles 1	
129	For use by alternate PTP profiles 2	
130	For use by alternate PTP profiles 3	
131	For use by alternate PTP profiles 4	
132	For use by alternate PTP profiles 5	
133	For use by alternate PTP profiles 6	
134	For use by alternate PTP profiles 7	
135	For use by alternate PTP profiles 8	
136	For use by alternate PTP profiles 9	
137	For use by alternate PTP profiles 10	
138	For use by alternate PTP profiles 11	
139	For use by alternate PTP profiles 12	
140	For use by alternate PTP profiles 13	
141	For use by alternate PTP profiles 14	
142	For use by alternate PTP profiles 15	
143	For use by alternate PTP profiles 16	
144	For use by alternate PTP profiles 17	
145	For use by alternate PTP profiles 18	
146	For use by alternate PTP profiles 19	
147	For use by alternate PTP profiles 20	
148	For use by alternate PTP profiles 21	

Value	Description	Remarks
149	For use by alternate PTP profiles 22	
150	For use by alternate PTP profiles 23	
151	For use by alternate PTP profiles 24	
152	For use by alternate PTP profiles 25	
153	For use by alternate PTP profiles 26	
154	For use by alternate PTP profiles 27	
155	For use by alternate PTP profiles 28	
156	For use by alternate PTP profiles 29	
157	For use by alternate PTP profiles 30	
158	For use by alternate PTP profiles 31	
159	For use by alternate PTP profiles 32	
160	For use by alternate PTP profiles 33	
161	For use by alternate PTP profiles 34	
162	For use by alternate PTP profiles 35	
163	For use by alternate PTP profiles 36	
164	For use by alternate PTP profiles 37	
165	For use by alternate PTP profiles 38	
166	For use by alternate PTP profiles 39	
167	For use by alternate PTP profiles 40	
168	For use by alternate PTP profiles 41	
169	For use by alternate PTP profiles 42	
170	For use by alternate PTP profiles 43	
171	For use by alternate PTP profiles 44	
172	For use by alternate PTP profiles 45	
173	For use by alternate PTP profiles 46	
174	For use by alternate PTP profiles 47	
175	For use by alternate PTP profiles 48	
176	For use by alternate PTP profiles 49	
177	For use by alternate PTP profiles 50	
178	For use by alternate PTP profiles 51	
179	For use by alternate PTP profiles 52	
180	For use by alternate PTP profiles 53	
181	For use by alternate PTP profiles 54	
182	For use by alternate PTP profiles 55	
183	For use by alternate PTP profiles 56	
184	For use by alternate PTP profiles 57	
185	For use by alternate PTP profiles 58	
186	For use by alternate PTP profiles 59	
187	For use by alternate PTP profiles 60	
188	For use by alternate PTP profiles 61	
189	For use by alternate PTP profiles 62	
190	For use by alternate PTP profiles 63	

Value	Description	Remarks
191	For use by alternate PTP profiles 64	
192	For use by alternate PTP profiles 65	
193	For use by alternate PTP profiles 66	
194	For use by alternate PTP profiles 67	
195	For use by alternate PTP profiles 68	
196	For use by alternate PTP profiles 69	
197	For use by alternate PTP profiles 70	
198	For use by alternate PTP profiles 71	
199	For use by alternate PTP profiles 72	
200	For use by alternate PTP profiles 73	
201	For use by alternate PTP profiles 74	
202	For use by alternate PTP profiles 75	
203	For use by alternate PTP profiles 76	
204	For use by alternate PTP profiles 77	
205	For use by alternate PTP profiles 78	
206	For use by alternate PTP profiles 79	
207	For use by alternate PTP profiles 80	
208	For use by alternate PTP profiles 81	
209	For use by alternate PTP profiles 82	
210	For use by alternate PTP profiles 83	
211	For use by alternate PTP profiles 84	
212	For use by alternate PTP profiles 85	
213	For use by alternate PTP profiles 86	
214	For use by alternate PTP profiles 87	
215	For use by alternate PTP profiles 88	
216	For use by alternate PTP profiles 89	
217	For use by alternate PTP profiles 90	
218	For use by alternate PTP profiles 91	
219	For use by alternate PTP profiles 92	
220	For use by alternate PTP profiles 93	
221	For use by alternate PTP profiles 94	
222	For use by alternate PTP profiles 95	
223	For use by alternate PTP profiles 96	
224	For use by alternate PTP profiles 97	
225	For use by alternate PTP profiles 98	
226	For use by alternate PTP profiles 99	
227	For use by alternate PTP profiles 100	
228	For use by alternate PTP profiles 101	
229	For use by alternate PTP profiles 102	
230	For use by alternate PTP profiles 103	
231	For use by alternate PTP profiles 104	
232	For use by alternate PTP profiles 105	

Value	Description	Remarks
233	For use by alternate PTP profiles 106	
234	For use by alternate PTP profiles 107	
235	For use by alternate PTP profiles 108	
236	For use by alternate PTP profiles 109	
237	For use by alternate PTP profiles 110	
238	For use by alternate PTP profiles 111	
239	For use by alternate PTP profiles 112	
240	For use by alternate PTP profiles 113	
241	For use by alternate PTP profiles 114	
242	For use by alternate PTP profiles 115	
243	For use by alternate PTP profiles 116	
244	For use by alternate PTP profiles 117	
245	For use by alternate PTP profiles 118	
246	For use by alternate PTP profiles 119	
247	For use by alternate PTP profiles 120	
248	For use by alternate PTP profiles 121	
249	For use by alternate PTP profiles 122	
250	For use by alternate PTP profiles 123	
251	For use by alternate PTP profiles 124	
252	For use by alternate PTP profiles 125	
253	For use by alternate PTP profiles 126	
254	Unknown	
255	Reserved 111	

SE_ENUM_PTPSTATUS_PowerLogic_V001

Value	Description	Remarks
1	Initializing	
2	Faulty	
3	Disabled	
4	Listening	
5	Pre-Master	
6	Master	
7	Passive	
8	Uncalibrated	
9	Slave	

SE_ENUM_REVERSAL_PowerLogic_V001

Value	Description	Remarks
0	none	
1	AB	
2	BC	
3	CA	

SE_ENUM_ROCOV_PowerLogic_V001

Value	Description	Remarks
0	Rising	
1	Falling	
2	Both	

SE_ENUM_ROTMOD_PowerLogic_V001

Value	Description	Remarks
1	OFF	
2	ON	

SE_ENUM_RPROTOCOL_PowerLogic_V001

Value	Description	Remarks
0	None	
1	Modbus	
2	DNP3	
3	T103	

SE_ENUM_RSTPROLE_PowerLogic_V001

Value	Description	Remarks
0	ROOT	
1	DESIGNATED	
2	ALTERNATE	
3	BACKUP	
4	DISABLED	

SE_ENUM_RSYNOPMODE_PowerLogic_V001

Value	Description	Remarks
0	Disabled	
1	Synchronous	
2	Asynchronous	
3	Generator	

SE_ENUM_RTDADDR_PowerLogic_V001

Value	Description	Remarks
0	RTD1	
1	RTD2	

SE_ENUM_RTDConnection_PowerLogic_V001

Value	Description	Remarks
1	Normal	
2	ShortCircuit	
3	OpenCircuit	
4	Disconnected	

SE_ENUM_RestrMod_PowerLogic_V001

Value	Description	Remarks
0	Auto	
1	Manual	

SE_ENUM_SCALING_PowerLogic_V001

Value	Description	Remarks
0	pu	
1	Primary	

SE_ENUM_SECPRIM_PowerLogic_V002

Value	Description	Remarks
0	secondary	
1	primary	

SE_ENUM_SELECTSET_PowerLogic_V001

Value	Description	Remarks
0	HMI	
1	Digital	
2	Both	

SE_ENUM_SERLNKSPD_PowerLogic_V001

Value	Description	Remarks
0	1200	
1	2400	
2	4800	
3	9600	
4	19200	
5	38400	

SE_ENUM_SETTINGGROUP_PowerLogic_V001

Value	Description	Remarks
0	Setting Group 1	
1	Setting Group 2	
2	Setting Group 3	
3	Setting Group 4	
4	Setting Group 5	
5	Setting Group 6	
6	Setting Group 7	
7	Setting Group 8	

SE_ENUM_SETTXRXSCH_PowerLogic_V001

Value	Description	Remarks
1	Trip	
2	PUR	
3	POR	

Value	Description	Remarks
4	Block	
5	Echo	

SE_ENUM_SG_PowerLogic_V001

Value	Description	Remarks
1	1	
2	2	
3	3	
4	4	
5	5	
6	6	

SE_ENUM_SNTPMOD_PowerLogic_V001

Value	Description	Remarks
0	Unicast	
1	Broadcast	

SE_ENUM_SPANNER_LED_PowerLogic_V001

Value	Description	Remarks
1	Off	
2	Flashing	
3	On	

SE_ENUM_SPEEDMODE_PowerLogic_V001

Value	Description	Remarks
0	OFF	
1	CHANNEL7 ON	
2	CHANNEL8 ON	

SE_ENUM_SRCMOD_PowerLogic_V001

Value	Description	Remarks
1	Conventional	
2	Inverter	
3	Weak	

SE_ENUM_STATUS_PowerLogic_V001

Value	Description	Remarks
0	OFF	
1	ON	

SE_ENUM_STRMOD2_PowerLogic_V001

Value	Description	Remarks
0	Positive	
1	Negative	

SE_ENUM_STRMOD3_PowerLogic_V001

Value	Description	Remarks
0	Rising	
1	Falling	
2	Both	

SE_ENUM_STRMODDIS_PowerLogic_V001

Value	Description	Remarks
1	Common	
2	Per Zone	

SE_ENUM_STRMOD_PowerLogic_V001

Value	Description	Remarks
1	52A	
2	Current	
3	52A And Current	

SE_ENUM_STRVMOD_PowerLogic_V001

Value	Description	Remarks
1	Off	
2	PhV only	
3	PhV or PPV	

SE_ENUM_STRZMOD_PowerLogic_V001

Value	Description	Remarks
1	Off	
2	PhZ only	
3	PhZ or PPZ	

SE_ENUM_SWAUX_PowerLogic_V001

Value	Description	Remarks
0	None	
1	89A	
2	89B	
3	Both	

SE_ENUM_SWICOLOR_PowerLogic_V001

Value	Description	Remarks
0	Red and Darkgray	
1	Red and Green	
2	Green and Red	
3	Green and Darkgray	
4	Darkgray and Green	
5	Darkgray and Red	

SE_ENUM_SWITCHCID_PowerLogic_V001

Value	Description	Remarks
-2	CID2WOS	
-1	CID1WOS	
1	CID1	
2	CID2	

SE_ENUM_SWITCHSET_PowerLogic_V001

Value	Description	Remarks
0	State1	
1	State2	

SE_ENUM_SYNCHROLEVEL_PowerLogic_V001

Value	Description	Remarks
0	None	
1	Local	
2	Global	

SE_ENUM_TAMBFAIL_PowerLogic_V001

Value	Description	Remarks
0	Default	
1	Last Good Value	
2	Block	

SE_ENUM_TCCmd

Value	Description	Remarks
1	lower	
2	higher	

SE_ENUM_TCSSCBR_PowerLogic_V002

Value	Description	Remarks
0	Off	
1	On	
2	BlockByState	
3	BlockByTrip	

SE_ENUM_TCTYPE_PowerLogic_V001

Value	Description	Remarks
0	VsefCsh	
2	VsefCei	
50	ConCT	
51	LpwCT	
100	SefSwS	
101	SefWiS	
102	SefCoB	

SE_ENUM_TELEOPMOD_PowerLogic_V001

Value	Description	Remarks
1	General	
2	Per Phase	

SE_ENUM_TESTDI_PowerLogic_V001

Value	Description	Remarks
0	Low	
1	High	
2	Not Forced	

SE_ENUM_TESTDO_PowerLogic_V001

Value	Description	Remarks
0	Not Energized	
1	Energized	

SE_ENUM_TESTYP_PowerLogic_V001

Value	Description	Remarks
0	Normal	
1	9-2	
2	Comtrade	

SE_ENUM_TIMEFORMAT_PowerLogic_V001

Value	Description	Remarks
1	12h00	
2	24h00	

SE_ENUM_TIMEUNIT_PowerLogic_V001

Value	Description	Remarks
1	Ms	
2	Second	
3	Minute	
4	Hour	
5	Day	
6	Week	
7	Month	
8	Year	

SE_ENUM_TMDIRMOD_PowerLogic_V001

Value	Description	Remarks
0	NonDirectionalStart	
1	DirectionalStart	

SE_ENUM_TMODBEH_PowerLogic_V001

Value	Description	Remarks
0	Normal	
1	Fallback	
2	Forced	

SE_ENUM_TMODCMD_PowerLogic_V001

Value	Description	Remarks
0	Normal	
1	Fallback	

SE_ENUM_TMPFUN_PowerLogic_V001

Value	Description	Remarks
0	Other	
1	Winding	
2	Bearing	
3	Ambient	

SE_ENUM_TPITYPE_PowerLogic_V001

Value	Description	Remarks
1	Binary	
2	Binary Coded Decimal	
3	Gray	
4	TPI Analogue input	

SE_ENUM_TRANSMOD_PowerLogic_V001

Value	Description	Remarks
0	2 windings	
1	3 windings	

SE_ENUM_TRIPNOTRIP_PowerLogic_V001

Value	Description	Remarks
0	no-trip	
1	trip	

SE_ENUM_U3DiffType_PowerLogic_V001

Value	Description	Remarks
1	V3GDiff	
2	V3N	

SE_ENUM_UFLSSTAGES_PowerLogic_V001

Value	Description	Remarks
0	UFLS_NONE	
1	UFLS_S1	
2	UFLS_S2	
3	UFLS_S3	

Value	Description	Remarks
4	UFLS_S4	
5	UFLS_S5	
6	UFLS_S6	
7	UFLS_S7	
8	UFLS_S8	
9	UFLS_S9	
10	UFLS_S10	

SE_ENUM_UPGRADE_PowerLogic_V001

Value	Description	Remarks
0	NoUpgrade	
1	Initializing	
2	Authenticating	
3	Extracting	
4	Packing	
5	Programing	
6	Rebooting	
7	Failure	

SE_ENUM_VALID_PowerLogic_V001

Value	Description	Remarks
1	Valid	
2	Warning	
3	Invalid	

SE_ENUM_VTCONSP_PowerLogic_V001

Value	Description	Remarks
4	Aph	
5	Bph	
6	Cph	
7	ABph	
8	CBph	
9	Nph	

SE_ENUM_VTCON_PowerLogic_V001

Value	Description	Remarks
0	3ph	
1	3ph+N	
2	2pp+N	
3	2pp	

SE_ENUM_VTLOCATION_PowerLogic_V001

Value	Description	Remarks
0	HV	
1	LV	

SE_ENUM_VTNUM_PowerLogic_V001

Value	Description	Remarks
1	VT1	
2	VT2	

SE_ENUM_VTOPMOD_PowerLogic_V001

Value	Description	Remarks
0	Any Phase	
1	Two Phase	
2	Three Phase	

SE_ENUM_WIRENUM_PowerLogic_V001

Value	Description	Remarks
1	2	
2	4	

SE_ENUM_ZCLCMOD_PowerLogic_V001

Value	Description	Remarks
1	IP+K0.IN	
2	IP.(1+K0)	

SE_ENUM_ZNOPMOD_PowerLogic_V001

Value	Description	Remarks
1	Both	
2	Ground only	
3	Phase only	

SE_ENUM_ZeroMod_PowerLogic_V001

Value	Description	Remarks
0	speed	
1	pluse	

Extended Enum types

Enum types with extended negative values are listed in this clause. Semantic of these negative values are described.

SE_ENUM_LIVDEAMOD_PowerLogic_V001

Value	Description	Remarks
-1	Off	
1	Dead Line, Dead Bus	

Value	Description	Remarks
2	Live Line, Dead Bus	
3	Dead Line, Live Bus	
4	Dead Line, Dead Bus OR Live Line, Dead Bus	
5	Dead Line, Dead Bus OR Dead Line, Live Bus	
6	Live Line, Dead Bus OR Dead Line, Live Bus	
7	Dead Line, Dead Bus OR Live Line, Dead Bus OR Dead Line, Live Bus	

SE_ENUM_SIUNIT_PowerLogic_V001

Value	Description	Remarks
-13	pu/s	
-12	V/s	
-11	pu ²	
-10	pu	
-9	rpm	
-7	us	
-6	ms	
-5	days	
-4	Smp/P	
-3	°	
-2	mi	
-1	%	
1		
2	m	
3	kg	
4	s	
5	A	
6	K	
7	mol	
8	cd	
9	deg	
10	rad	
11	sr	
21	Gy	
22	Bq	
23	°C	
24	Sv	
25	F	
26	C	
27	S	
28	H	
29	V	
30	ohm	
31	J	
32	N	

Value	Description	Remarks
33	Hz	
34	lx	
35	Lm	
36	Wb	
37	T	
38	W	
39	Pa	
41	m ²	
42	m ³	
43	m/s	
44	m/s ²	
45	m ³ /s	
46	m/m ³	
47	M	
48	kg/m ³	
49	m ² /s	
50	W/m K	
51	J/K	
52	ppm	
53	1/s	
54	rad/s	
55	W/m ²	
56	J/m ²	
57	S/m	
58	K/s	
59	Pa/s	
60	J/kg K	
61	VA	
62	Watts	
63	VAr	
64	phi	
65	cos(phi)	
66	Vs	
67	V ²	
68	As	
69	A ²	
70	A ² t	
71	VAh	
72	Wh	
73	VArh	
74	V/Hz	
75	Hz/s	
76	char	
77	char/s	
78	kgm ²	
79	dB	

Value	Description	Remarks
80	J/Wh	
81	W/s	
82	l/s	
83	dBm	
84	h	
85	min	

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