

Model Implementation Conformance Statement for the IEC
61850 Edition 2 Amendment 1 server interface in SEL-411L-1,
SEL-411L-0, SEL-411L-A, SEL-411L-B, SEL-400G-0 and SEL-
400G-1

Version 1

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Introduction

This model implementation conformance statement is applicable for:

SEL-411L-1 with firmware R134 and data model name space 2007B4,

SEL-411L-0 with firmware R134 and data model name space 2007B4,

SEL-411L-A with firmware R134 and data model name space 2007B4,

SEL-411L-B with firmware R134 and data model name space 2007B4,

SEL-400G-0 with firmware R108 and data model name space 2007B4 and

SEL-400G-1 with firmware R108 and data model name space 2007B4.

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:

“0411L 011 R134.ICD”, version R310 and

“0400G 011 R108.CID”, version R107.

Clause 2 contains the list of implemented logical nodes.

Clause 3 describes the new and extended logical nodes (if any).

Clause 4 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:

C: Logical Nodes for control	Name space when not <2007B4>
CILO (Interlocking) ⁽¹⁾	
CSWI (Switch controller) ⁽¹⁾	
CSYN (Synchronizer controller) ⁽²⁾	
G: Logical Nodes for generic references	
GGIO (Generic process I/O) ⁽¹⁾	
L: System Logical Nodes	
LCCH (Physical communication channel supervision) ⁽¹⁾	
LGOS (GOOSE subscription) ⁽¹⁾	
LLNO (Logical device LN) ⁽¹⁾	
LPHD (Physical device LN) ⁽¹⁾	
LTIM (Time management) ⁽¹⁾	
LTMS (Time master supervision) ⁽¹⁾	
LTRK (Service tracking) ⁽¹⁾	
M: Logical Nodes for metering and measurement	
MDST (Demand and Peak Demand Values) ⁽³⁾	
MMDIF (Differential Metering) ⁽³⁾	
MMTR (Metering 3 phase) ⁽¹⁾	
MMXN (Non-phase-related AC measurement) ⁽²⁾	
MMXU (Measurement) ⁽¹⁾	
MSQI (Sequence and imbalance) ⁽¹⁾	
MTHR (Thermal Elements and RTD) ⁽²⁾	
P: Logical Nodes for protection functions	
PDIF (Differential) ⁽¹⁾	
PDIS (Distance) ⁽¹⁾	

PDOP (Directional Overpower) ⁽²⁾	
PDUP (Directional underpower) ⁽²⁾	
PFRC (Rate of change of frequency) ⁽²⁾	
PIOC (Instantaneous overcurrent) ⁽¹⁾	
PPAM (Phase angle measuring) ⁽²⁾	
PSCH (Protection scheme) ⁽³⁾	
PTOC (Time overcurrent) ⁽¹⁾	
PTOF (Overfrequency) ⁽¹⁾	
PTOV (Overvoltage) ⁽¹⁾	
PTRC (Protection trip conditioning) ⁽¹⁾	
PTTR (Thermal overload) ⁽¹⁾	
PTUF (Underfrequency) ⁽¹⁾	
PTUV (Undervoltage) ⁽¹⁾	
PVOC (Voltage controlled time overcurrent) ⁽²⁾	
PVPH (Volts per Hz) ⁽²⁾	
R: Logical nodes for protection related functions	
RBRF (Breaker Failure) ⁽¹⁾	
RDIR (Directional element) ⁽³⁾	
RDRE (Disturbance recorder function) ⁽¹⁾	
RFLO (Fault Locator) ⁽³⁾	
RPSB (Power swing detection/blocking) ⁽³⁾	
RREC (Autoreclosing) ⁽³⁾	
RSYN (Synchronism-check) ⁽¹⁾	
S: Logical Nodes for supervision and monitoring	
SCBR (Circuit breaker supervision) ⁽¹⁾	
X: Logical Nodes for switchgear	
XCBR (Circuit breaker) ⁽¹⁾	

XSWI (Circuit switch) ⁽¹⁾	
Z: Logical Nodes for further power system equipment	
ZBAT (Battery) ⁽¹⁾	

⁽¹⁾ Supported by all SEL-400 relays in this document.

⁽²⁾ Supported by SEL-400G-0 and SEL-400G-1.

⁽³⁾ Supported by SEL-411L-1, SEL-411L-0, SEL-411L-A and SEL-411L-B.

Logical Node Extensions

The following table use

- 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 InNs attribute in the Name plate

MDST1 Demand Metering

MDST class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data Objects				
Common Logical Node Information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it 'LLNO.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
NamPlt	LPL	Name plate of the logical node.	O	
Measured and metered values				
A	WYE	Current	E	
W	WYE	Real power	E	
VAr	WYE	Reactive power	E	
VA	WYE	Apparent power	E	
SeqA	SEQ	Sequence currents	E	

TotW	MV	Total real power	E	
TotVAr	MV	Total reactive power	E	
TotVA	MV	Total apparent power	E	
SupWh	BCR	Real energy supply (default direction: energy flow towards busbar)	E	
DmdWh	BCR	Real energy demand (default direction: energy flow from busbar)	E	

MDST2 Peak Demand Metering

MDST class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data Objects				
Common Logical Node Information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it 'LLNO.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
NamPlt	LPL	Name plate of the logical node.	O	
Measured and metered values				
A	WYE	Current	E	
W	WYE	Real power	E	
VAr	WYE	Reactive power	E	
VA	WYE	Apparent power	E	
SeqA	SEQ	Sequence currents	E	
TotW	MV	Total real power	E	
TotVAr	MV	Total reactive power	E	
TotVA	MV	Total apparent power	E	

M MDF Differential Metering

M MDF class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data Objects				
Common Logical Node Information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it 'LLNO.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
NamPlt	LPL	Name plate of the logical node.	O	
Measured and metered values				
Dif	WYE	Differential Currents	E	
Anseq	CMV	Negative Sequence Current	E	
Local	DIF	Local Current	E	
LocAnseq	CMV	Local Negative Sequence Current	E	
LocApsseq	CMV	Local Positive Sequence Current	E	
Remote1	WYE	Remote Terminal Current	E	
R1Anseq	CMV	Remote Terminal Negative Sequence Current	E	
R1Apsseq	CMV	Remote Terminal Positive Sequence Current	E	
Remote2	WYE	Remote Terminal Current	E	
R2Anseq	CMV	Remote Terminal Negative Sequence Current	E	
R2Apsseq	CMV	Remote Terminal Positive Sequence Current	E	
Remote3	WYE	Remote Terminal Current	E	
R3Anseq	CMV	Remote Terminal Negative Sequence Current	E	
R3Apsseq	CMV	Remote Terminal Positive Sequence Current	E	

MTHR Thermal Elements and RTD

MTHR class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data Objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it 'LLNO.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
NamPlt	LPL	Name plate of the logical node.	O	
Measured and metered values				
Tmp	MV	RTD temperature Value n	E	

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.

LCCH Physical communication channel supervision

LCCH class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLNO.Mod'). Processing of the quality status ('q') of the received data is	M	

		the prerequisite for correct interpretation of 'DomainLN.Beh'.		
NamPlt	LPL	Name plate of the logical node.	MONamPlt	
Status information				
ChLiv	SPS	Physical channel status	M	
RedChLiv	SPS	Physical channel status of redundant channel	MFcond(2)	
FerCh	INS	Frame error rate on this channel	O	
RedFerCh	INS	Frame error rate on redundant channel	OF(RedChLiv)	
FerChGo	INS	Missing PRP frame rate for GOOSE packets on the primary channel	E	
RedFerChGo	INS	Missing PRP frame rate for GOOSE packets on the redundant channel	E	
FerCh87I ⁽¹⁾	INS		E	
RedFerCh87I ⁽¹⁾	INS		E	
Measured and metered values				
RxCnt	BCR	Number of received messages	O	
RedRxCnt	BCR	Number of received messages on redundant channel	OF(RedChLiv)	
TxCnt	BCR	Number of sent messages	O	
RxCntGo	BCR	Number of GOOSE frames received on the station bus primary channel	E	
RedRxCntGo	BCR	Number of GOOSE frames received on the station bus redundant channel	E	
RxCnt87I ⁽¹⁾	BCR		E	
RedRxCnt87I ⁽¹⁾	BCR		E	
Controls				
RsStat	SPC	Status of process bus statistics reset	E	
Settings				
NetMod	ENG	Network Operating Mode	E	
NetModP	ENG	Network Operating Mode of process bus	E	
NetMode	ENG	Network Operating Mode of station bus	E	

BusMode	ENG	Bus Operating Mode	E	
NetPorP	ENG	Primary channel for process bus	E	
NetPort	ENG	Primary channel for station bus	E	
ApNam	VSG	Access point name to which this channel belongs	O	

⁽¹⁾ Data Object supported by SEL-411L-0, SEL-411L-1, SEL-411L-A and SEL-411L-B.

LGOS GOOSE Subscription

LGOS class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
NamPlt	LPL	Name plate of the logical node.	MONamPlt	
Status information				
NdsCom	SPS	Subscription needs commissioning	O	
St	SPS	Status of the subscription	M	
SimSt	SPS	Status showing really that Sim messages are received and accepted	O	
LastStNum	INS	Last state number received	O	
LastSqNum	INS	Last sequence number received	E	
LastTal	INS	Last time-allowed-to-live received	E	
ConfRevNum	INS	Expected configuration revision number	O	
RxConfRevNum	INS	Configuration revision number of the received messages	O	
ErrSt	ENS	Current error status of the subscription	E	
OosCnt	INS	Number of out-of-sequence (OOS) errors	E	

TalCnt	INS	Number of time-allowed-to-live violations	E	
DecErrCnt	INS	Number of messages that failed decoding	E	
BufOvflCnt	INS	Number of messages lost due to buffer overflow	E	
MsgLosCnt	INS	Number of messages lost due to OOS errors (estimated)	E	
MaxMsgLos	INS	Max. number of sequential messages lost due to OOS error (estimated)	E	
InvQualCnt	INS	Number of mapped incoming GOOSE data with invalid quality	E	
Measured and metered values				
TotDwnTm	MV	Total downtime in seconds	E	
MaxDwnTm	MV	Maximum continuous downtime in seconds	E	
Controls				
RsStat	SPC	Reset/clear statistics	E	
Settings				
GoCBRef	ORG	Reference to the subscribed GOOSE control block	M	
DatSet	ORG	Configured dataset reference	E	
GoID	VSG	Configured GOOSE ID	E	
Addr	VSG	Configured multicast MAC address	E	
VlanID	ING	Configured VLAN ID	E	
VlanPri	ING	Configured VLAD priority	E	
AppID	ING	Configured APPID	E	

LPHD Physical device LN

LPHD class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
NamPlt	LPL	Name plate information of LPHD	MONamPlt	
PhyNam	DPL	Physical device name plate.	M	
Status information				
PhyHealth	ENS (HealthKind)	Reflects the state of the physical device related hardware and software.	M	
Proxy	SPS	If true, the physical device is a proxy (i.e., the logical device embedding this logical node is representing another physical device).	M	
SellibId	VSD	SEL 61850 Library (LIB61850ID) value	E	
Controls				
Sim	SPC	(controllable) If true, IED will be using simulated GOOSE values or simulated sampled measurand values (instead of original ones) as soon as they are received. See part 7-1, clause 7.8.	O	

LTMS Time master supervision

LTMS class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLNO.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	

NamPlt	LPL	Name plate of the logical node.	O	
Status information				
TmAcc	INS	Number of significant bits in fraction of second in the time accuracy part of the time stamp	O	
TmSrc	VSS	Current time source identity	M	
TmSrcTyp	ENS	Type of the clock source	M	
TmSyn	ENS	Actual time synchronization applied	O	
TmSynLkd	ENS	Locked status of clock synchronization	O	
Measured and metered values				
TmTosPer	MV	Duration, in milliseconds, between two consecutive top-of-second points on the synchronized time	E	

MMXU Measurement

MMXU class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
Measured and metered values				
TotW	MV	Total active power (total P)	O	
TotVAr	MV	Total reactive power (total Q)	O	
TotVA	MV	Total apparent power (total S)	O	
TotPF	MV	Average power factor (total PF)	O	
Hz	MV	Frequency	O	
Fs ⁽¹⁾	MV	System source frequency	E	
A	WYE	Phase currents (ILA, ILB, ILC)	O	

W	WYE	Phase active power (P)	O	
VAr	WYE	Phase reactive power (Q)	O	
VA ⁽¹⁾	WYE	Phase apparent power	O	
PF	WYE	Phase power factor	O	
NeutFund ⁽¹⁾	CMV	40 ms average filtered Generator Neutral Voltage magnitude	E	
Neut3Ha ⁽¹⁾	CMV	40 ms average filtered Generator Neutral Third Harmonic Voltage magnitude	E	
Term3Ha ⁽¹⁾	CMV	40 ms average filtered Generator Terminal Third Harmonic Voltage magnitude	E	
Tot3Ha ⁽¹⁾	CMV	40 ms average filtered Total Neutral Third Harmonic Voltage magnitude	E	
StatInsRis ⁽¹⁾	MV	64S Stator Insulation Resistance	E	
StatInsCapac ⁽¹⁾	MV	64S Stator Insulation Capacitance	E	
FldInsRis ⁽¹⁾	MV	64F Field Insulation Resistance	E	
PPV ⁽¹⁾	DEL	Phase to phase voltages (VL1, VL2, ...)	O	
PhV ⁽¹⁾	WYE	Phase to ground voltages (VL1ER, ...)	O	

⁽¹⁾ Data Object supported by SEL-400G-0 and SEL-400G-1.

PDIF Differential

PDIF class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
Status information				
Op	ACT	Operate	M	

Dnseq ⁽¹⁾	SPS	87L negative-sequence element operated	E	
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⁽¹⁾ Data Object supported by SEL-411L-0, SEL-411L-1, SEL-411L-A and SEL-411L-B.

PTOC Time Overcurrent

PTOC class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
Status information				
Str	ACD	Start	M	
Op	ACT	Operate	M	
Ha3VolAngAlm ⁽¹⁾	SPS	64G Third harmonic angle check alarm	E	

⁽¹⁾ Data Object supported by SEL-400G-0 and SEL-400G-1.

RDRE Disturbance Recorder Function

RDRE class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	

Status information				
RcdMade	SPS	If true, new disturbance recording has been completed and corresponding file is available.	M	
FltNum	INS	Fault number; number allocation is a local issue.	M	
FltTyp	ENS	Affected phases for the latest event.	E	
FltCaus	ENS	Event cause for the latest event.	E	

RFLO Fault locator

RFLO class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
Status information				
FltTyp	ENS	Affected phases for the latest event	E	
FltCaus	ENS	Event cause for the latest event	E	
FltFrom	INS	Terminal supplying fault information	E	
FltTwpsns	INS	Traveling-wave peak time for fault nanosecond offset	E	
Measured and metered values				
FltZ	CMV	Impedance to fault	O	
FltDiskm	MV	Distance to fault	O	
A	WYE	Fault current	E	
Anseq	CMV	Negative-sequence fault current in primary amperes	E	

SCBR Circuit Breaker Supervision

SCBR class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status ('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.	M	
Status information				
ColOpn	SPS	Open command for trip coil	M	
AbrAlm	SPS	Contact abrasion alarm	O	
MechTmAlm	SPS	Mechanical Slow Operation Alarm	E	
OpTmAlm	SPS	Switch operating time exceeded	O	
Measured and metered values				
AccmAbr	MV	Cumulated abrasion	O	

ZBAT Battery

ZBAT class				
Data object name	Common data class	Explanation	M/O/E	Remarks
Data objects				
Common logical node information				
Beh	ENS	Read-only value, describing the behaviour of a domain logical node. It depends on the current operating mode of the logical node ('DomainLN.Mod'), and the current operating mode of the logical device that contains it ('LLN0.Mod'). Processing of the quality status	M	

		('q') of the received data is the prerequisite for correct interpretation of 'DomainLN.Beh'.		
Measured and metered values				
Vol	MV	Battery Voltage	M	
Status information				
BatWrn	SPS	DC Channel Warning	E	
BatFail	SPS	DC Channel Failed	E	
BatGndFit	SPS	DC Channel Ground Fault detected	E	
BatDvAlm	SPS	DC Channel Excess Ripples detected	E	

Enum types Extensions

New Enum types

New enum types are listed in this clause.

BusModeKind_SEL

Value	Description	Remarks
1	Independent	
2	Merged	

FltCauseKind_SEL

Value	Description	Remarks
0	No fault summary	
1	Trigger ⁽¹⁾	
2	Trip ⁽¹⁾	
3	Event Report ⁽¹⁾	
6	87 Zone 1 Differential Trip ⁽²⁾	
7	87 Zone 2 Differential Trip ⁽²⁾	
8	Restricted Earth Fault Trip ⁽²⁾	
9	Excitation Trip ⁽²⁾	
10	Primer Mover Trip ⁽²⁾	
11	Auxiliary Trip ⁽²⁾	

⁽¹⁾ Supported by SEL-411L-0, SEL-411L-1, SEL-411L-A and SEL-411L-B.

⁽²⁾ Supported by SEL-400G-0 and SEL-400G-1.

FltTypeKind_SEL

Value	Description	Remarks
0	Undefined	
1	AG ⁽¹⁾	
2	BG ⁽¹⁾	
3	CG ⁽¹⁾	
4	AB ⁽¹⁾	
5	BC ⁽¹⁾	
6	CA ⁽¹⁾	
7	ABG ⁽¹⁾	
8	BCG ⁽¹⁾	

9	CAG ⁽¹⁾	
10	ABC ⁽¹⁾	
11	BCA ⁽¹⁾	
12	BCB ⁽¹⁾	
13	BCC ⁽¹⁾	

⁽¹⁾ Supported by SEL-411L-0, SEL-411L-1, SEL-411L-A and SEL-411L-B.

GOOSEErrSt_SEL

Value	Description	Remarks
0	OK	
1	Device Disabled	
2	ConfRev Mismatch	
3	Needs Commissioning	
4	Message Corrupted	
5	TTL Expired	
6	Out of Sequence	
7	Invalid Data Quality	

NetMod_SEL

Value	Description	Remarks
1	Fixed	
2	Failover	
3	Switched	
4	PRP	
5	IsolateIP	

NetModeKind_SEL

Value	Description	Remarks
1	Fixed	
2	Failover	
3	PRP	
4	HSR	

NetPorPKind_SEL

Value	Description	Remarks
1	Port 5A	
2	Port 5B	

NetPortKind_SEL

Value	Description	Remarks
1	Port 5C	
2	Port 5D	

Extended Enum types

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

AutoReclosingKind_SEL⁽¹⁾

Value	Description	Remarks
1	Ready	
2	InProgress	
5	TripFromProtection	
6	FaultDisappeared	
7	WaitToComplete	
8	CBclosed	
12	NotReady	
-2	SinglePoleInProgress	

⁽¹⁾ Enum Type not supported by SEL-400G-0 and SEL-400G-1.

ClockSyncKind⁽¹⁾

Value	Description	Remarks
0	InternalClock	
1	LocalAreaClock	
2	GlobalAreaClock	

⁽¹⁾ According to TISSUE 1726.

OutputSignalKind_SEL

Value	Description	Remarks
0	pulse	
1	persistent	