PSSu H PLC1 FS SN SD M12-R 315071

PSSu, head module, control system PSSu PLC, failsafe and standard, PL e, SIL CL 3, 2 M12 female connector 4-pin D-coded, SafetyNET p RTFN, Modbus/TCP, Raw UDP, Raw TCP, EtherNet/IP adapter, PROFINET IO DEVICE, SD card, M12 female connector, for railway applications.

Technical details

General data	
Approval:	CE, cULus Listed, TÜV
Application range:	Standard/failsafe
Technical data	
Electrical data	
Purpose of U1:	Module supply
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	16 W
Purpose of U2:	Periphery supply
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Tolerance of U2:	-30 %/+25 %
Purpose of UINT1:	int. system voltage
Type of UINT1:	DC
Tolerance of UINT1:	-2 %/+3 %
Max. curr. contin. oper. UINT1:	2 A
UINT1 short circuit proof:	Yes
Programming	
IEC 61131 programming:	Yes

Multi programming:	Yes
Non-volatile variables:	Yes
CPU	
Time deviation:	+/- 10s/day
RAM:	128 MB
User memory total:	4 MB
NV user memory FS section:	382 kB
Removable storage media	
Plug-in memory:	SD card
SafetyNET p interface	
Connector type Safetynet i/f:	M12
Safetynet transmission rate:	100 MBit/s
Setting SafetyNet trans.rate:	Automatic
SafetyNET p cycle time:	2 ... 60 000 ms
PROFINET interface	
Settable trans.rate PROFINET:	100 MBit/s
Trans. rate setting PROFINET:	Automatic
PROFINET certification:	PNO
PROFINET manufacturer ID:	092Fh
Connector type PROFINET i/f:	M12
PROFINET type:	Slave
Cycle time PROFINET IO DEVICE:	4 ... 512 ms
Modbus/TCP	
MODBUS cycle time:	2 ... 2 000 000 ms
EtherNet/IP Adapter	
Cycle time EtherNet/IP:	4...655 000 ms
EDS file EtherNet/IP:	00B5000C00010100.eds
Device type EtherNet/IP:	Adapter
Supported EtherNet/IP RPI:	4...655 000 ms

Raw UDP	
RAW UDP cycle time:	2 ... 2 000 000 ms
Environmental data	
App. site standard1 railway:	EN 50125-3
App. site to standard1 railway:	Track area (1m - 3m)
App. site standard2 railway:	EN 61373
App. site to standard2 railway:	Category 1, Class A + B
Climatic suitability to ...:	EN 60068-2-30, EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 50155, EN 60068-2-14
Ambient temperature standard:	EN 50155
Ambient temperature:	-40 - 70 °C
Standard 2 for ambient temp.:	EN 50125-1
Ambient temp. to standard 2:	-40 ... +70 °C
Standard 3 for ambient temp.:	EN 50125-3
Ambient temp. to standard 3:	-40 ... +70 °C
Condensation permitted?:	ISO 16750-4
Perm. operating height ASL:	2000 m
EMC to standard ...:	EN 50121-4, EN 50121-3-2
Broad band noise to:	EN 50125-3
Standard1 b/band noise, rail:	EN 61373
Freq. broadband noise, rail:	5 ... 150 Hz
Accel. broadband noise, rail:	0.572 g RMS
Acceleration broadband noise:	0.23 g RMS
Clearance & creepage dist. to:	EN 50124-1
Overvoltage category:	OV2
Pollution degree clear.&creep.:	PD2
Protection type standard:	EN 60529
Potential separation	
Potential isolation 1 between:	Periphery and module supply

Type of potential isolation 1:	Functional insulation
Potential isolation 2 between:	Periphery supply & system V.
Type of potential isolation 2:	Functional insulation
Mechanical data	
Housing material lower section:	PC
Connection terminal:	Screw terminal, Spring-loaded terminal
Terminal style:	plug-in
Flex. cond. c/s AWG info:	24 - 12 AWG
Height dimension:	125.6 mm
Width dimension:	130 mm
Depth dimension:	83.7 mm
Net weight:	370 g
Gross weight:	420 g
Environment	
REACh compliance:	contains min. 1 SVHC-substance
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27242208
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000024