

PSSu H PLC1 FS SN SD-R

315070



PSSu, head module, control system PSSu PLC, failsafe and standard, PL e, SIL CL 3, 2 RJ45 ports, SafetyNET p RTFN, Modbus/TCP, Raw UDP, Raw TCP, EtherNet/IP adapter, PROFINET IO DEVICE, SD card, for railway applications.

Technical details

General data

Approval:	CE, UKCA, TÜV, EAC (Eurasian)
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 U1NT1:	int. system voltage
Type of U1NT1:	DC
Tolerance of U1NT1:	-2 %/+3 %
Max. curr. contin. oper. U1NT1:	2 A
U1NT1 short circuit proof:	Yes

Programming

IEC 61131 programming:	Yes
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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:	RJ45
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:	RJ45
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 50125-1, EN 60068-2-2, EN 60068-2-1, EN 50155, EN 60068-2-14, EN 50125-3
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
Climatic suitability standard:	EN 60068-2-78
Condensation permitted?:	Briefly, EN 50155
Perm. operating height ASL:	2000 m
EMC to standard ...:	EN 50121-4, EN 50121-3-2, EN 61000-6-2, EN 61000-6-4
Broad band noise to:	EN 50125-3
Standard1 b/band noise, rail:	EN 61373
Freq. broadband noise, rail:	5 ... 150 Hz
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:	350 g
Gross weight:	415 g
Environment	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85371091
UNSPSC 25:	39122331
EAN-Code:	4046548067743
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242208
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001423
Volume:	1.456

Obligatory accessories



313110

PSSu A Con 1/4 S (2 pcs.)



313111

PSSu A Con 2/8 C (2 pcs.)

Optional accessories



315085

PSSu H FS SN SD-R



380070

Stripping Tool



313100

SD Memory Card 512MB



380001

SN CAB RJ45s RJ45s, 0,5m



312900

PSSu A ET (10 pcs.)



380650

PSSnet SHL 6T 2FSMSC MRP



312967

PSSu A LA0.1 (10 x 108 pcs.)



314902

PSSu A EC-T



380000

SafetyNET p Cable per mtr



312901

PSSu A ETM (2 pcs.)



380005

SN CAB RJ45s RJ45s, 2m



312958

PSSu A LA0 (10 x 108 pcs.)



380600

PSSnet SLL 5T



380003

SN CAB RJ45s RJ45s, 1m



312949

PSSu A ET PE (10 pcs.)



380400

SafetyNET p Connector RJ45s



380009

SN CAB RJ45s RJ45s, 10m



380604

PSSnet SLL 4T 1FMMS



380007

SN CAB RJ45s RJ45s, 5m

380601

PSSnet SHL 8T MRP

380602

PSSnet SHL 6T 2FMMS MRP