PSSu H FS SN SD-R 315085

PSSu, head module, decentralised system PSSuniversal I/O, failsafe and standard, PL e, SIL CL 3, 2 RJ45 Ports, SafetyNET p RTFN, 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 UINT1:	int. system voltage
Type of UINT1:	DC
Tolerance of UINT1:	-2 %/+3 %
Max. curr. contin. oper. UINT1:	2
UINT1 short circuit proof:	Yes
Programming	
IEC 61131 programming:	No

Multi programming:	No
Non-volatile variables:	No
CPU	
Time deviation:	+/- 10s/day
RAM:	128 MB
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
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:	410 g
Environment	
REACh compliance:	contains min. 1 SVHC-substance
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85389091
UNSPSC 25:	39122331
EAN-Code:	4046548067750

ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242207
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC000236
Volume:	1.456 dm3

Obligatory accessories

313110	PSSu A Con 1/4 S (2 pcs.)

313111	PSSu A Con 2/8 C (2 pcs.)

Optional accessories

315070	PSSu H PLC1 FS SN SD-R

380070	Stripping Tool

313100	SD Memory Card 512MB

380001	SN CAB RJ45s RJ45s, 0,5m

	380650	PSSnet SHL 6T 2FSMSC MRP
	312900	PSSu A ET (10 pcs.)
	380000	SafetyNET p Cable per mtr
	312901	PSSu A ETM (2 pcs.)
	312967	PSSu A LA0.1 (10 x 108 pcs.)
	314902	PSSu A EC-T
	380005	SN CAB RJ45s RJ45s, 2m
	380600	PSSnet SLL 5T
	312958	PSSu A LA0 (10 x 108 pcs.)

	380003	SN CAB RJ45s RJ45s, 1m
	380400	SafetyNET p Connector RJ45s
	312949	PSSu A ET PE (10 pcs.)
	380009	SN CAB RJ45s RJ45s, 10m
	380604	PSSnet SLL 4T 1FMMSC
	380601	PSSnet SHL 8T MRP
	380007	SN CAB RJ45s RJ45s, 5m
	380602	PSSnet SHL 6T 2FMMSC MRP