

PSSu H FS2 SN SD-T

314087

PSSu, head module with increased performance, control system PSSu I/O, failsafe and standard, PL e, SIL CL 3, 2 RJ45 ports, SafetyNET p RTFN, SD card 512 MB, for increased environmental requirements.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, 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:	17 W
Purpose of U2:	Periphery supply
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Tolerance of U2:	-30 %/+25 %
Pot. isolation UINT1 to U2:	P_UINT1_5V_U_2_POT_TRENN_2000 V
Purpose of UINT1:	int. system voltage
Type of UINT1:	DC
Tolerance of UINT1:	-2 %/+3 %
Max. curr. contin. oper. UINT1:	2 A
Bridge U-interrupt UINT1 stan.:	EN61131-2
UINT1 short circuit proof:	Yes

Programming	
IEC 61131 programming:	No
Multi programming:	No
Non-volatile variables:	No
CPU	
Time deviation:	+/- 10s/day
RAM:	256 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	
Climatic suitability to ...:	EN 60068-2-30, EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 60068-2-14
Ambient temperature:	-40 - 70 °C
Climatic suitability standard:	EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Briefly
Perm. operating height ASL:	5000 m
EMC to standard ...:	EN 61000-6-2, EN 61000-6-4, EN 61131-2 (Zone B)
Vibration to standard ...:	EN 60068-2-6
Broad band noise to:	EN 60068-2-64
Acc. shock to standard1:	150 m/s ²
Clearance & creepage dist. to:	EN 61131-2
Overvoltage category:	II
Pollution degree clear.&creep.:	2

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:	Spring-loaded terminal, Screw 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:	390 g
Environment	
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85371091
UNSPSC 25:	39122331
EAN-Code:	4046548088229
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242207
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC000236
Volume:	1.456