

## PSSu H PLC1 FS DP SN SD

312071



PSSu, head module, control system PSSu PLC, failsafe and standard, PL e, SIL CL 3, 1 D-Sub female connector 9-pin, PROFIBUS-DP Slave, transmission rates 9.6 kBit/s - 12 MBit/s, 1 RJ45 Port, SafetyNET pRTFN, Modbus/TCP, Raw UDP, Raw TCP, SD card.

## Technical details

### General data

Approval:	CE, cULus Listed, KOSHA, 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:	16.1 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 U1 to U2:	3050 V
Potential isolation U1 to U2:	3050 V
Purpose of U1 to U2:	int. system voltage
Type of U1 to U2:	DC
Tolerance of U1 to U2:	-2 %/+3 %
Max. curr. contin. oper. U1 to U2:	2 A
Bridge U-interrupt U1 to U2 stan.:	EN 61131-2, EN 61496-1

UINT1 short circuit proof:	Yes
<b>Programming</b>	
IEC 61131 programming:	Yes
Multi programming:	Yes
Non-volatile variables:	Yes
<b>CPU</b>	
Time deviation:	+/- 10s/day
RAM:	128 MB
User memory total:	4 MB
NV user memory FS section:	382 kB
<b>Removable storage media</b>	
Plug-in memory:	SD card
<b>SafetyNET p interface</b>	
Connector type Safetynet i/f:	RJ45
Safetynet transmission rate:	10 MBit/s, 100 MBit/s
Setting SafetyNet trans.rate:	Automatic
SafetyNET p cycle time:	2 ... 60 000 ms
<b>PROFIBUS-DP interface</b>	
Profibus type:	Slave
Perm. PROFIB. statn. addresses:	0 ... 126d
Setting PROFIBUS station addr.:	DIP switch
Settable trans.rate PROFIBUS:	185.5 kBit/s, 6 MBit/s, 500 kBit/s, 93.75 kBit/s, 19.2 kBit/s, 12 MBit/s, 1.5 MBit/s, 9.6 kBit/s, 3 MBit/s, 45.45 kBit/s
Trans. rate setting PROFIBUS:	Automatic
Connector type Profibus inter.:	9-pin D-Sub female connector
Name PROFIBUS protocol:	DPV0
PROFIBUS operating modes:	Freeze Mode, Set Slave Address, Sync Mode, AutoBaud
Name description file profib:	Pilz0CB0.gsd
PROFIBUS manufacturer ID:	0CB0h

PROFIBUS cycle time:	2 ... 300 000 ms
Modbus/TCP	
MODBUS cycle time:	2 ... 2 000 000 ms
Raw UDP	
RAW UDP cycle time:	2 ... 2 000 000 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:	0 - 60 °C
Climatic suitability standard:	EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Not permitted
Perm. operating height ASL:	2000 m
EMC to standard ...:	EN 61000-6-2, EN 61000-4-4, EN 61000-4-5, EN 61000-6-4, EN 61000-4-6, EN 61000-4-2, EN 61000-4-3
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	15g
Clearance & creepage dist. to:	EN 60664-1
Overvoltage category:	II
Pollution degree clear.&creep.:	2
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:	375 g
Gross weight:	415 g

Environment	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (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

## Obligatory accessories



313110

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



313111

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

## Optional accessories



314085

PSSu H FS SN SD-T



312085

PSSu H FS SN SD



312065

PSSu H m F DP SN SD



380070

Stripping Tool



312066

PSSu H m F DPsafe SN SD

380001

SN CAB RJ45s RJ45s, 0,5m



380000

SafetyNET p Cable per mtr



380005

SN CAB RJ45s RJ45s, 2m



312958

PSSu A LA0 (10 x 108 pcs.)



380003

SN CAB RJ45s RJ45s, 1m



380400

SafetyNET p Connector RJ45s



380009

SN CAB RJ45s RJ45s, 10m



380007

SN CAB RJ45s RJ45s, 5m



314070

PSSu H PLC1 FS SN SD-T



312070

PSSu H PLC1 FS SN SD



312900

PSSu A ET (10 pcs.)



380650

PSSnet SHL 6T 2FSMSC MRP



312902

PSSu A EC



312901

PSSu A ETM (2 pcs.)



312967

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



312949

PSSu A ET PE (10 pcs.)