



PSC1-C-10-SDM2-FB2-PBPS

- Memory card
- Device in safety fieldbus networks
- integrated SD-Bus-Gateway
- Safe drive monitoring according to EN 61800-5-2 (SDM - Safe Drive Monitoring) for up to 2 axes
- Modular expansion with up to 64 inputs / outputs
- 4 safe 2 A pp-switching semiconductor outputs, switchable to 2 safe p- / n-switching semiconductor outputs
- 14 safe inputs on the base module
- 2 Signalling outputs
- 2 safety relay contacts

Data

Ordering data

Product type description	PSC1-C-10-SDM2-FB2-PBPS
Article number (order number)	103012230
EAN (European Article Number)	4030661482446
eCl@ss number, version 12.0	27-24-22-07
eCl@ss number, version 11.0	27-24-22-07
eCl@ss number, version 9.0	27-24-22-07
ETIM number, version 7.0	EC000236
ETIM number, version 6.0	EC000236

Approvals - Standards

Certificates

TÜV
cULus

General data - Features

SD Card Slot	Yes
Master-Slave-Communication (decentralized)	Yes
Master-Master-Kommunikation	Yes
Integrated SD gateway	Yes
Number of pulse outputs (test pulse output)	2
Number of relay outputs (1-channel)	2
Number of digital fail-safe inputs	14
Number of fail-safe digital outputs	4
Number of signalling outputs	2
Anzahl der Erweiterungsbaugruppen, maximal	2

Safety classification

Performance Level, up to	e
Category	4
PFH value	$1.26 \times 10^{-8} /h$
Safety Integrity Level (SIL), suitable for applications in	3
Mission time	20 Year(s)

Mechanical data

Mounting	can be clipped into standard rail
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Mechanical data - Connection technique

Cable section, minimum	0.2 mm ²
Cable section, maximum	2.5 mm ²
Wire cross-section, minimum	24 AWG
Wire cross-section, maximum	12 AWG
Wire cross-section	24 ... 12 AWG
Terminal (mechanical)	Removable screw terminals

Mechanical data - Dimensions

Width	90 mm
Height	100 mm
Depth	115 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature	+0 ... +50 °C
Storage and transport temperature	-25 ... +70 °C
Relative humidity, minimum	5 %
Relative humidity, maximum	85 %
Note (Relative humidity)	non-condensing
Permissible installation altitude above sea level, maximum	2,000 m

Ambient conditions - Insulation values

Overvoltage category	III
Degree of pollution	2

Electrical data

Operating voltage	24 VDC -15 % / +20 %
Rated operating voltage	24 VDC

Electrical data - Universal communication interface

Designation, Communication interface	DSUB
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Electrical data - Communication protocols

CANopen
PROFIBUS
PROFIBUS / PROFIsafe

Electrical data - Safety digital outputs

Rated operating current (safety outputs)	2,000 mA
Design of control elements	short-circuit proof, p-type (Q2 und Q3)

Electrical data - Safe relay outputs

Voltage, Utilisation category AC-15	230 VAC
Current, Utilisation category AC-15	2 A
Voltage, Utilisation category DC-13	24 VDC
Current, Utilisation category DC-13	2 A

Electrical data - Electromagnetic compatibility (EMC)

Electromagnetic compatibility	DIN EN 62061 DIN EN 61800-3
Interfering radiation	DIN EN 61000-6-4
EMC rating	DIN EN 61000-6-7 DIN EN 61326-3 DIN EN 61000-6-2

Scope of delivery

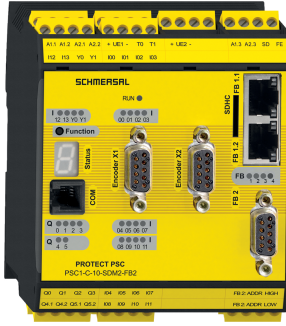
Scope of delivery	Backplane bus connector Connector terminals
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Electrical data - Spindle monitoring

Number of axis monitoring, max.	2
Drive monitoring, encoder typ	SSI TTL SINCOS Proximity switch

Pictures

Product picture (catalogue individual photo)



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| 877.8 kB | .jpg | 352.778 x 391.583 mm - 1000 x 1110 px - 72 dpi

| 70.6 kB | .png | 74.083 x 82.197 mm - 210 x 233 px - 72 dpi

| 131.5 kB | .jpg | 111.125 x 123.472 mm - 315 x 350 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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