



PSC1-C-10-SDM2-FB20-PBPS

- Memory card
- conversion of the field bus protocols by software
- 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-FB20-PBPS
Article number (order number)	103049474
EAN (European Article Number)	4030661624204
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-Master-Kommunikation	No
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
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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
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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

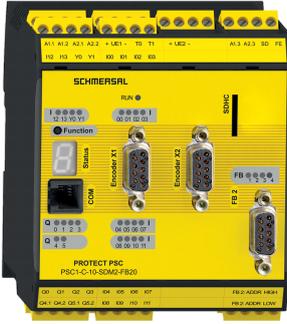
Scope of delivery

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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| 889.9 kB | .jpg | 352.778 x 391.583 mm - 1000 x 1110 px - 72 dpi

| 80.3 kB | .png | 74.083 x 82.197 mm - 210 x 233 px - 72 dpi

| 127.7 kB | .jpg | 111.125 x 123.472 mm - 315 x 350 px - 72 dpi

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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.

Generated on: 21/08/2024, 5:02 am