

## PSC1-C-100-FB20-PBPS

- Memory card
- conversion of the field bus protocols by software
- integrated SD-Bus-Gateway
- Modularly expandable to up to 272 safe inputs / outputs
- Safe spindle monitoring To EN 61800-5-2 (Safe Drive Monitoring) for up to 12 spindles
- 4 safe 2 A pp-switching semiconductor outputs, switchable to 2 safe p- / n-switching semiconductor outputs
- 14 safe inputs on the base module
- 20 switchable, safe inputs / outputs
- 6 Signalling outputs
- 2 safety relay contacts

## Data

### Ordering data

Product type description	PSC1-C-100-FB20-PBPS
Article number (order number)	103049456
EAN (European Article Number)	4030661624020
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)	6
Number of relay outputs (1-channel)	2
Number of digital fail-safe inputs	14
Number of digital fail-safe in-/outputs	20
Number of fail-safe digital outputs	4
Number of signalling outputs	6
Anzahl der Erweiterungsbaugruppen, maximal	8

### Safety classification

Performance Level, up to	e
Category	4
PFH value	$1.22 \times 10^{-8} /h$
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 <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
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	112.5 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)

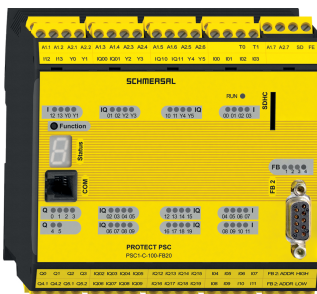
Electromagnetic compatibility	DIN EN 62061 DIN EN 61800-3
Interfering radiation	DIN EN 61000-6-4
EMC rating	DIN EN 61000-6-7 DIN EN 61326-3 DIN EN 61000-6-2

## Scope of delivery

Scope of delivery	Backplane bus connector Connector terminals
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## Pictures

### Product picture (catalogue individual photo)



ID: kpsc1f71  
 | 756.9 kB | .jpg | 352.778 x 321.028 mm - 1000 x 910 px - 72 dpi  
 | 60.3 kB | .png | 74.083 x 67.381 mm - 210 x 191 px - 72 dpi  
 | 130.8 kB | .jpg | 123.472 x 112.536 mm - 350 x 319 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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