



PSC1-C-100-FB1-PNPS

- Memory card
- Expandable with safe remote IO modules
- Safe cross communication between up to 4 master controllers
- Device in safety fieldbus networks
- 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-FB1-PNPS
Article number (order number)	103011996
EAN (European Article Number)	4030661480985
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

Gross weight 980 g

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)	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	1.22×10^{-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

Mechanical data - Connection technique

Cable section, minimum 0.2 mm²

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	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	RJ45
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Electrical data - Communication protocols

EtherCAT
EtherNet IP
PROFINET IO
PROFINET / 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)

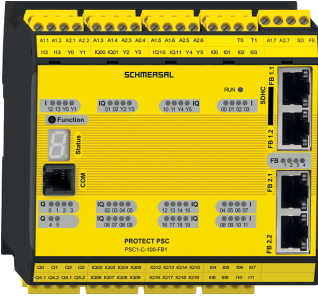
Electromagnetic compatibility DIN EN 62061
DIN EN 61800-3
Interfering radiation DIN EN 61000-6-4
EMC rating DIN EN 61000-6-7
DIN EN 61326-3
DIN EN 61000-6-2

Scope of delivery

Scope of delivery Backplane bus connector
Connector terminals

Pictures

Product picture (catalogue individual photo)



ID: kpsc1f05

| 710.8 kB | .jpg | 352.778 x 321.733 mm - 1000 x 912 px - 72 dpi

| 54.8 kB | .png | 74.083 x 67.733 mm - 210 x 192 px - 72 dpi

| 129.5 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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