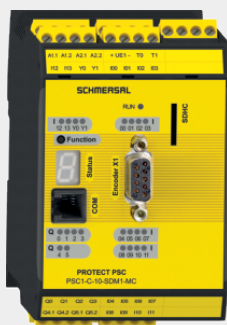


PSC1-C-10-SDM1-MC



- Memory card
- 2 Signalling outputs
- 2 safety relay contacts
- 14 safe inputs on the base module
- Modular expansion with up to 64 inputs / outputs
- Safe drive monitoring according to EN 61800-5-2 (SDM - Safe Drive Monitoring) for 1 axis
- 4 safe 2 A pp-switching semiconductor outputs, switchable to 2 safe p- / n-switching semiconductor outputs

Data

Ordering data

	PSC1-C-10-SDM1-MC
	103008444
EAN (European Article Number)	4030661455051
eCl@ss number, Version 9.0	27-37-18-19

Approval - Standards

TÜV
cULus
EAC

General data

Product name	PSC1
Terminal (mechanical)	Removable screw terminals
Gross weight	568.1 g

General data - Features

SD Card Slot	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 appraisal

Performance level, up to	e
Control category to EN13849	4
PFH-value	$1.26 \times 10^{-8} /h$
Safety Integrity Level (SIL), applicable for	3
Mission Time	20 Year(s)

Mechanical data

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

	0.2 mm ²
	2.5 mm ²
Wire cross-section, minimum	24 AWG
Wire cross-section, maximum	12 AWG

Mechanical data - Dimensions

Width	67.5 mm
Height	100 mm
Depth	115 mm

Ambient conditions

	IP20
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+50 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+70 °C
Relative humidity, minimum	5 %
Relative humidity, maximum	85 %
Note (Relative humidity)	non-condensing
Zulässige Aufstellhöhe über NN, maximum	2,000 m

Ambient conditions - Insulation value

III
2

Electrical data

Operating voltage, minimum	20.4 VDC
Operating voltage, maximum	28.8 VDC

Electrical data - Fail-safe digital outputs

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

Electrical data - Safe relay outputs

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	2 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 A

Electrical data - Electromagnetic compatibility (EMC)

DIN EN 62061
DIN EN 61800-3
DIN EN 61000-6-4
DIN EN 61000-6-7
DIN EN 61326-3
DIN EN 61000-6-2

Electrical data - Spindle monitoring

Number of axis monitoring, max.	1
	TTL
	SINCOS

Scope of delivery

Included in delivery	Backplane bus connector Connector terminals
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Pictures

Photo/Product/Catalogue



ID: kpsc1f12

| 79,2 kB | .png | 73.731 x 105.128 mm - 209 x 298

Pixel - 72 dpi

| 1,3 MB | .jpg | 352.778 x 502.003 mm - 1000 x 1423

Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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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