

PSC1-C-10-SDM1



- 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
	103008443
EAN (European Article Number)	4030661455044
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	480 g

General data - Features

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	45 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: kpsc1f11

| 116,7 kB | .png | 74.083 x 147.108 mm - 210 x 417
Pixel - 72 dpi

| 1,7 MB | .jpg | 314.678 x 625.122 mm - 892 x 1772
Pixel - 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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