



PSC1-C-10-SDM2

- 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

EAN (European Article Number)	4030661455082
eCl@ss number, Version 9.0	27-24-22-07
eCl@ss number, Version 11.0	27-24-22-07
ETIM number, version 6.0	EC000236

Approval - Standards

Certificates	TÜV cULus EAC
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General data

Terminal (mechanical)	Removable screw terminals
Gross weight	567.5 g

General data - Features

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 appraisal

Performance level, up to	e
Control category to EN13849	4
PFH-value	1.26×10^{-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

Mechanical data - Dimensions

Width	67.5 mm
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Height	100 mm
Depth	115 mm

Ambient conditions

Degree of protection	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

Overvoltage category	III
Degree of pollution to IEC/EN 60664-1	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
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Current, Utilisation category AC-15	2 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	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

Electrical data - Spindle monitoring

Number of axis monitoring, max.	2
Drive monitoring, encoder typ	SSI TTL SINCOS Proximity switch

Scope of delivery

Included in delivery	Backplane bus connector Connector terminals
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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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