



PSC1-E-24-SDM2-2

- Expansion module for the product series PSC1-C-100
- Safe drive monitoring according to EN 61800-5-2 (SDM – Safe Drive Monitoring) for up to 2 axes
- supports encoder: TTL, sin/cos, SSI, HTL, Resolver
- 12 digital fail-safe inputs

Data

Ordering data

EAN (European Article Number)	4030661455242
eCl@ss number, Version 9.0	27-24-22-04
eCl@ss number, Version 11.0	27-24-22-04
ETIM number, version 6.0	EC001419

Approval - Standards

Certificates	TÜV cULus EAC
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General data

Terminal (mechanical)	Removable screw terminals
Gross weight	767.2 g

General data - Features

Number of digital fail-safe inputs	12
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Safety appraisal

Performance level, up to	e
Control category to EN13849	4
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	90 mm
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 - 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 HTL TTL SINCOS Proximity switch Resolver

Scope of delivery

Included in delivery

Backplane bus connector
Connector terminals

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532
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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