



PSC1-E-37-14DI-4DO-2RO-RIO

- Decentral expansion with 14 digital inputs
- 4 safe 2 A pp-switching semiconductor outputs, switchable to 2 safe pn-switching outputs
- 14 safe inputs on the base module
- 2 Signalling outputs
- 2 safety relay contacts

Data

Ordering data

EAN (European Article Number)	4030661455204
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	554.7 g

General data - Features

Master-Slave-Kommunikation	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

Safety appraisal

Performance level, up to	e
Control category to EN13849	4
PFH-value	$1.26 \times 10^{-8} /h$
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
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 - Universal communication interface

Designation, Communication interface	RJ45
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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)

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

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.

Generated on: 11/9/2021, 9:22 AM