

PSR-SPP- 24DC/TS/S

Order No.: 2986232


The figure shows a version with a screw connection



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Freely configurable safety module for monitoring emergency stop, safety doors, light grids with 20 safe inputs and 4 safe outputs; 4 alarm, 2 clock and 2 ground switching outputs; non safety expandable over Bus-Gateways. Width: 67.5 mm



Commercial data	
GTIN (EAN)	
sales group	G570
Pack	1 pcs.
Customs tariff	85371099
Catalog page information	Page 29 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
03/17/2009



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Technical data	
Input data	
Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Typical input current at U_N	200 mA

Maximum response time	30 ms
Bypassing voltage dips	20 ms
Recovery time	< 5 ms
Protective circuit	Surge protection Suppressor diode
Status display	4 LEDs (green, red)
Number of safe inputs	20
Nominal voltage U_N	24 V DC
Typical current consumption	3 mA
Electrical isolation	Yes
Signal level "0" signal	< 5 V
Signal level "1" signal	> 12 V
Switch-on delay	< 35 ms

Output data

Output data	Yes, to logic and inputs A1, A2 Yes, to ground
Number of safe semiconductor outputs	4 (Cat.4 / ISO 13849)
Number of ground switching outputs	2
Nominal voltage U_N	24 V DC
Limiting continuous current	2 A (see derating curve)
Max. capacitive load	1 μ F
Max. inductive load	1 H
Test pulses	< 1 ms (To ground)
Electrical isolation	Yes, to logic and inputs A1, A2
Short-circuit protection	Yes, to ground
Clock outputs	Yes, to Out (24 V / 0 V)
Number of outputs	2
Nominal voltage U_N	24 V DC (A1 / A2)
Limiting continuous current	100 mA
Test pulses	< 100 ms
Electrical isolation	Yes, to Out (24 V / 0 V)
Alarm outputs	Yes, to (24 V / 0 V) Yes
Number of outputs	4
Nominal voltage U_N	24 V DC (A1 / A2)
Limiting continuous current	100 mA
Electrical isolation	Yes, to (24 V / 0 V)
Short-circuit protection	Yes

General data

Width	67.5 mm
Height	112 mm
Depth	114.5 mm
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Mounting position	Horizontal
Category in acc. with EN 954-1	4
Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated surge voltage / insulation	0.8 kV / Basic isolation
Rated insulation voltage	50 V
Pollution degree	2
Surge voltage category	III
Housing material	Polyamide PA non-reinforced
Interfaces	USB, DIN rail TBUS for bus couplers

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	8 mm
Connection method	Spring-cage conn.

Certificates / Approvals

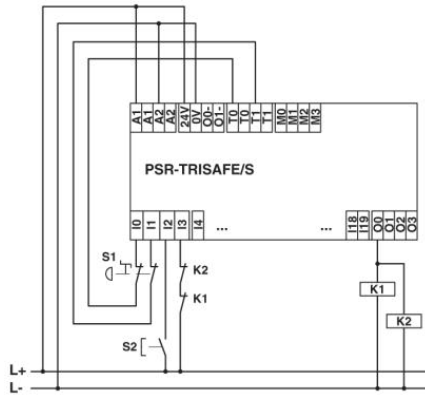


Certification

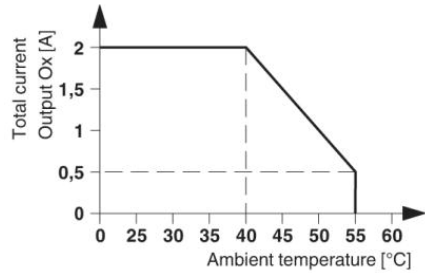
CUL Listed, TUEV-RH, UL Listed

Diagrams/Drawings

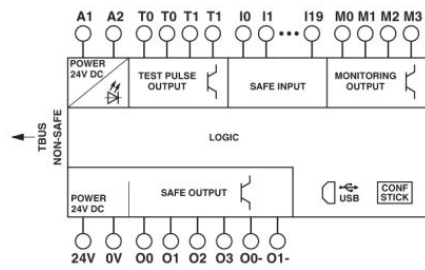
Application drawing



Diagram



Circuit diagram



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