

PSR-SCP- 24DC/MSTO/4X1


Item cannot be ordered online at present.

Order No.: 2902786



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2902786>

Safe downtime and speed monitor PSR-MOTIONSTOP, basic device without operator interface and display unit PSR-OP-UNIT, 35 mm design width, for encoder or initiator connection, up to SIL 3 or Cat. 4, PL e according to EN ISO 13849, plug-in screw connection terminal blocks

Commercial data	
EAN	 4 046356 679466
Note	Made-to-order
sales group	G551
Pack	1 Pcs.

Product notes

WEEE/RoHS-compliant since:
12/16/2011



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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	150 mA
Typical response time	30 ms
Typical release time	20 ms
Recovery time	1 s

Output data

Contact type	4 enabling current paths
	3 semiconductor outputs
Contact material	AgSnO ₂
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V AC/DC
Limiting continuous current	5 A (N/O contact)
	500 mA (semiconductor output)
Maximum inrush current	6 A (N/O contact)
Inrush current, minimum	10 mA
Sq. Total current	$42.25 \text{ A}^2 (I_{TH}^2 = I_1^2 + I_2^2 + I_3^2 + I_4^2)$
Interrupting rating (ohmic load) max.	120 W (24 V DC, $\tau = 0 \text{ ms}$)
	100 W (48 V DC, $\tau = 0 \text{ ms}$)
	66 W (110 V DC, $\tau = 0 \text{ ms}$)
	66 W (220 V DC, $\tau = 0 \text{ ms}$)
Maximum interrupting rating (inductive load)	48 W (24 V DC, $\tau = 0 \text{ ms}$)
	40 W (48 V DC, $\tau = 0 \text{ ms}$)
	35 W (110 V DC, $\tau = 0 \text{ ms}$)
	33 W (220 V DC, $\tau = 0 \text{ ms}$)
	1500 VA (250 V AC, $\tau = 0 \text{ ms}$)
Switching capacity min.	0.24 W
Output fuse	10 A gL/gG NEOZED (N/O contact)

General data

Width	35 mm
Height	112 mm
Depth	113 mm
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Mounting position	Any
Stop category	0

Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178/VDE 0160
Rated surge voltage / insulation	4 kV
Rated insulation voltage	250 V
Pollution degree	2
Surge voltage category	II
Interfaces	Encoder

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	7 mm
Screw thread	M3
Connection method	Screw connection

Certificates / Approvals

Certification

Certification Ex:

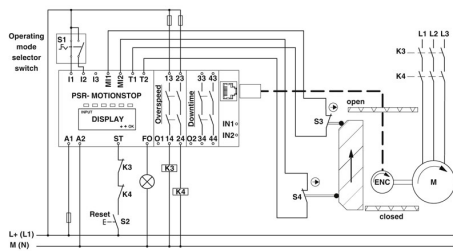
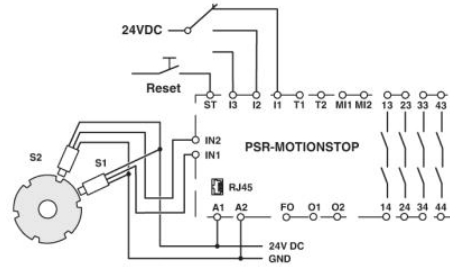
Certifications applied for: UL Listed / CUL Listed / TUEV-RH

Accessories

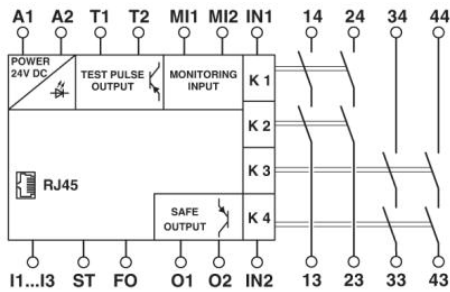
Item	Designation	Description
General		
2986122	IFS-CONFSTICK	Multi-functional memory block for the INTERFACE systemf for easy storage and backup of the configuration.

Drawings

Application drawing



Circuit diagram



Address

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