

# PSR-SCP- 24DC/RSM4/4X1


Order No.: 2981538



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Two-channel speed and downtime monitor, 4 N/O contacts, option of start button monitoring or automatic start for SIL 3 in acc. with IEC 61508, pluggable screw connection terminal blocks, width: 45 mm



Commercial data	
EAN	4  017918 996826
Pack	1
Customs tariff	85364900
Country of Origin	DE
Catalog page information	Page 35 (IF-2011)

#### Product notes

WEEE/RoHS-compliant since: 27/11/2006



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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 $U_N$	100 mA
Voltage at input/start and feedback circuit	Approx. 24 V DC

Typical response time	15 ms
Typical release time	12 ms
Recovery time	1 s
Limit frequency	2 kHz (IN1, IN2) 400 kHz (RJ45)

#### Output data

Contact type	4 enabling current paths
Contact material	AgNi10, + 5 µm Au
Maximum switching voltage	250 V AC/DC (when the gold layer is destroyed) 60 V AC/DC (With gold layer existing)
Minimum switching voltage	100 mV AC/DC
Limiting continuous current	5 A 100 mA (alarm outputs)
Maximum inrush current	6 A
Inrush current, minimum	1 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.	67 W (24 V DC, $\tau = 0 \text{ ms}$ ) 36 W (48 V DC, $\tau = 0 \text{ ms}$ ) 43 MW (110 V DC, $\tau = 0 \text{ ms}$ ) 68 MW (220 V DC, $\tau = 0 \text{ ms}$ )
Switching capacity min.	1 mW
Output fuse	6 A gL

#### General data

Width	45 mm
Height	99 mm
Depth	114.5 mm
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relay type	Electromechanically forcibly guided, dust-proof relay.
Mechanical service life	> 50 x 10 <sup>6</sup> cycles
Mounting position	Any
Assembly instructions	In rows with zero spacing
Category according to EN 13849-1	4
Stop category	0