



Basic features

Approval/Conformity	CE WEEE EAC
Basic standard	IEC 60947-5-2

Display/Operation

Diagnostic function	yes
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Electrical connection

Connection	M12x1, 4-pin
Connection (supply voltage IN)	M12x1
Electrical version	3-/4-wire
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

No-load current I_0 max., damped	10 mA
No-load current I_0 max., undamped	25 mA
Operating voltage U_b	20...30 VDC
Rated operating voltage U_e DC	24 V
Ripple max. (% of U_e)	10 %
Switching frequency	5 Hz
Utilization category	DC -13

Remarks

EMC: Surge resistance
 External protection circuit is required. Document 825345, Section 2.

Environmental conditions

Ambient temperature	-25...70 °C
IP rating per DIN 40050	IP67

Interface

Switching output	PNP normally closed (NC)
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Material

Housing material	Brass, nickel plated
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Mechanical data

Dimension	Ø 12 x 70 mm
Installation	for flush mounting
Size	M12x1

Range/Distance

Hysteresis H max. (% of S_r)	15 %
Rated operating distance S_n	2 mm
Real switching distance s_r	2 mm
Repeat accuracy max. (% of S_r)	5 %
Temperature drift max. (% of S_r)	10 %
Tolerance S_r	±10 %

Connector Drawings



Wiring Diagrams

