



Basic features

Approval/Conformity	CE UKCA cULus WEEE
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 _o max., damped	25 mA
No-load current I _o max., undamped	10 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

Environmental conditions

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

Interface

Switching output	PNP normally open (NO)
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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

