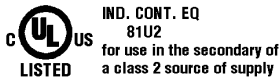


1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED function indicator



Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Series	M12

Electrical connection

Cable length L	2 m
Conductor cross-section	0.14 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

No-load current I _o max. at U _e	15 mA
Operating voltage U _b	12...35 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	200 mA
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.3 V

Environmental conditions

Ambient temperature	-30...60 °C
Protection degree	IP65

Functional safety

MTTF (40 °C)	450 a
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Material

Cover material	POM
Housing material	PTFE
Material jacket	PUR
Material sensing surface	PTFE

Mechanical data

Dimension	Ø 12 x 50 mm
Installation	for flush mounting
Size	M12x1
Thread (A)	M12x1
Tightening torque	0.5 Nm

Output/Interface

Switching output	PNP normally open (NO)
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Range/Distance

Rated operating distance S _n	4 mm
Temperature drift max. (% of S _r)	20 % [-5...55 °C]

Wiring Diagrams

