



Basic features

Approval/Conformity	CE EAC cULus WEEE
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Electrical connection

Cable diameter D	3.00 mm
Cable length L	2 m
Connection type	Cable, 2.00 m, PVC
Number of conductors	3

Electrical data

No-load current I_0 max., damped	7 mA
No-load current I_0 max., undamped	2 mA
Operating voltage U_b	10...30 VDC
Output resistance R_a	33.0 kOhm
Protection class	II
Rated insulation voltage U_i	250 V AC
Ready delay t_v max.	25 ms
Residual current I_r max.	10 μ A
Ripple max. (% of U_e)	10 %
Switching frequency	5000 Hz
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25...70 °C
IP rating	IP68

Functional safety

MTTF (40 °C)	595 a
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Material

Housing material	Brass, Nickel-free coated
Jacket material	PVC
Material sensing surface	PBT

Mechanical data

Dimension	Ø 8 x 50 mm
Installation	for flush mounting
Size	M8x1

Output/Interface

Switching output	PNP normally open (NO)
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Range/Distance

Assured operating distance S_a	1.2 mm
Rated operating distance S_n	1.5 mm
Real switching distance s_r	1.5 mm
Switching distance marking	■

Wiring Diagrams

