



1) Sensing surface, 2) Housing, 3) Cover



Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Sensitivity	adjustable on base unit
Series	G04

Electrical connection

Cable length L	2 m
Connection	Snap-In IP40, Binder 719-Female
Polarity reversal protected	not relevant
Short-circuit protection	not relevant

Electrical data

Operating voltage U_b	4...8 VDC
Rated insulation voltage U_i	75 V DC
Ripple max. (% of U_e)	10 %
Switching frequency	100 Hz
Utilization category	DC -13

Environmental conditions

Ambient temperature	-10...70 °C
Contamination scale	1
Protection degree	IP67

Functional safety

MTTF (40 °C)	1813 a
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Material

Cover material	POM
Housing material	Stainless steel (1.4301)
Material jacket	PUR
Material sensing surface	PTFE

Mechanical data

Dimension	Ø 4 x 29 mm
Installation	for flush mounting
Size	D4.0

Output/Interface

Interface	Special interface
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Range/Distance

Hysteresis H max. (% of S_r)	20.0 %
Measuring range	0.1...1 mm
Rated operating distance S_n	1 mm
Repeat accuracy max. (% of S_r)	2 %
Temperature drift max. (% of S_r)	20 %

Remarks

Required accessories, sensor amplifier BAE SA-...

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings

