



- 1) Sensing surface
 2) Housing
 3) Cover



IND. CONT. EQ.
 81U2
 for use in the secondary of
 a class 2 source of supply

Electrical connection

Cable length L	2 m
Connection	Special connector-Special connector
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	-30...80 °C
Protection degree	IP67

Functional safety

MTTF (40 °C)	1813 a
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General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	adjustable on base unit

Material

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

Mechanical data

Installation	for flush mounting
Size	D4.0

Output/Interface

Interface	Special interface
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Range/Distance

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