



1) Sensing surface, 2) Housing



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

Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	adjustable on base unit
Series	D18

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	IP66

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 18 x 4 mm
Installation	for flush mounting
Size	D18.0

Output/Interface

Interface	Special interface
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Range/Distance

Hysteresis H max. (% of S _r)	15.0 %
Measuring range	1...5 mm
Rated operating distance S _n	5 mm
Repeat accuracy max. (% of S _r)	2 %
Temperature drift max. (% of S _r)	20 %

Capacitive Sensors
BCS D18T404-XXS50C-EP02-GZ01-002
Order Code: BCS001C

BALLUFF

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.