



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



Display/Operation

Function indicator	yes
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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 ₀ 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
Rated operating voltage U _e DC	24 V
Ripple max. (% of U _e)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	0.8 V

Environmental conditions

Ambient temperature	-30...70 °C
Contamination scale	1
IP rating	IP65

Functional safety

MTTF (40 °C)	450 a
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General data

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Screwdriver Short guide
Sensitivity	Switching distance adjustable
Series	G10

Material

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

Mechanical data

Dimension	Ø 10 x 50 mm
Installation	for flush mounting
Size	D10.0

Output/Interface

Switching output	PNP normally open (NO)
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Capacitive Sensors
BCS G10T4H-PSM40C-EP02
Order Code: BCS002T



Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...4 mm

Rated operating distance Sn	4 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	20 %

Wiring Diagrams

