



1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED Power, 6) LED function indicator



Basic features

Sensitivity	Switching distance adjustable
Series	M30
Trademark	Global

Display/Operation

Power indicator	yes
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Electrical connection

Cable diameter D	4.60 mm
Cable length L	2 m
Conductor cross-section	0.34 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

No-load current I _o max., undamped	15 mA
Operating voltage U _b	10...30 VDC
Protection class	II
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	100 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	300 ms
Ripple max. (% of U _e)	10 %
Switching frequency	100 Hz
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature	-25...85 °C
IP rating	IP67

Functional safety

MTTF (40 °C)	226 a
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Interface

Switching output	PNP normally closed (NC)
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Material

Cover material	PBT
	PA
Housing material	PBT
Material jacket	PUR
Material sensing surface	PBT

Mechanical data

Dimension	Ø 30 x 65.5 mm
Installation	non-flush
Size	M30x1.5
Thread (A)	M30x1.5

Capacitive Sensors
BCS M30BBE1-POC25H-EP02
Order Code: BCS00NU



Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...25 mm

Rated operating distance S_n	25 mm
Repeat accuracy max. (% of S_r)	2.0 %
Temperature drift max. (% of S_r)	20 % [-5...55 °C]

Wiring Diagrams

