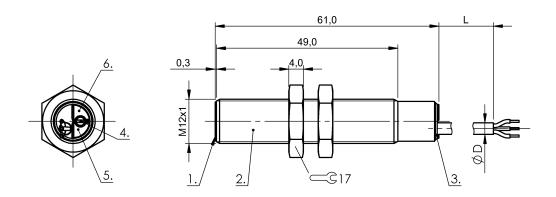
BCS M12B4I1-PSC40D-EP02

Order Code: BCS00R4





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









Racic	features
Dasic	realures.

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable
Series	M12
Trademark	Global
Display/Operation	
Function indicator	yes

Electrical connection

Cable diameter D	3.50 mm
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	no
Short-circuit protection	yes

Electrical data

No-load current lo max. at Ue	20 mA
Operating voltage Ub	1030 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	100 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature Contamination scale IP rating	-2585 °C 1 IP67	
Functional safety		
MTTF (40 °C)	343 a	
Interfere		

Interface

Subject to change without notice: 184390

Switching output PNP normally open (NO)

Capacitive Sensors

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Material

Cover material

Housing material 1.4305 stainless steel

Material jacketPURMaterial sensing surfacePBT

Measuring range Repeat accuracy max. (% of Sr)

Temperature drift max. (% of Sr)

Range/Distance

Hysteresis H max. (% of Sr)

15 % 1...4 mm

2 % 20 % [-5...55 °C]

Mechanical data

DimensionØ 12 x 61 mmInstallationfor flush mounting

 Size
 M12x1

 Thread (A)
 M12x1

 Tightening torque
 8 Nm

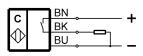
Remarks

The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.

If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. 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.

Wiring Diagrams



2/2