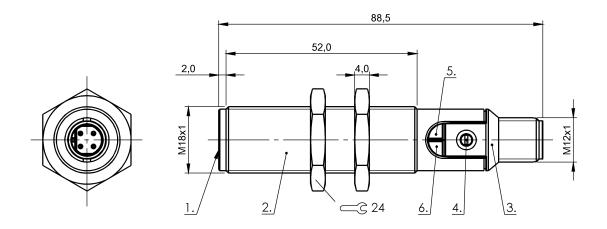
BCS M18BBI3-PSC80D-S04K

Order Code: BCS00M8





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











Approval/Conformity	CE
	cULus
	EAC
	WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable
Series	M18
Trademark	Global
Display/Operation	
Function indicator	yes

yes

Electrical connection

Power indicator

Connection	M12x1-Male, 3-pin, A-code
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

No-load current lo max. at Ue	18 mA
Operating voltage Ub	1030 VD0
Protection class	II
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	300 ms
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

Environmental conditions

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

Interface

Switching output PNP normally open (NO)

Capacitive Sensors

BCS M18BBI3-PSC80D-S04K Order Code: BCS00M8



Material

Cover material PBT PA

Housing materialPBTMaterial sensing surfacePBT

Mechanical data

 Size
 M18x1

 Thread (A)
 M18x1

 Tightening torque
 2 Nm

Range/Distance

Hysteresis H max. (% of Sr) 15.0 %

Measuring range 1...8 mm

Rated operating distance Sn 8 mm

Repeat accuracy max. (% of Sr) 2.0 %

Temperature drift max. (% of Sr) 20 % [-5...55 °C]

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.

Connector Drawings



Wiring Diagrams

