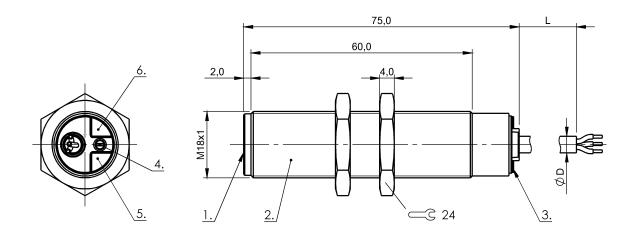
BCS M18BBN1-PSC80D-EP02

Order Code: BCS00NZ





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











Basic features

Approval/Conformity	CE
	UKCA
	cULus
	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
Power indicator	yes

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 lo max. at Ue	20 mA
Operating voltage Ub	1030 VDC
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
IP rating	IP67

Functional safety

MTTF (40 °C)	343 a	

Interface

Switching output P	NP normally open (NO)

Material

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

Capacitive Sensors

BCS M18BBN1-PSC80D-EP02 Order Code: BCS00NZ



Mechanical data

DimensionØ 18 x 75 mmInstallationfor flush mountingSizeM18x1Thread (A)M18x1Tightening torque2 Nm

Range/Distance

Hysteresis H max. (% of Sr)

Measuring range

1...8 mm

Rated operating distance Sn

Repeat accuracy max. (% of Sr)

Temperature drift max. (% of Sr)

2.0 % [-5...55 °C]

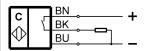
Remarks

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.

Wiring Diagrams



2/2