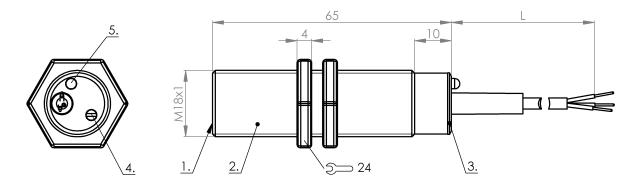
## Capacitive Sensors BCW M18B4M1-ICM80C-DV02 Order Code: BCW0001





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



## **Basic features**

Datere reataree		
Approval/Conformity Basic standard	CE cULus WEEE IEC 60947-5-7	Ambient temperature Contamination scale IP rating
Scope of delivery	Nut (2x) Screwdriver	Functional safe
Series	Short guide M18	MTTF (40 °C)
		Interface
Display/Operation		Analog output
Function indicator Power indicator	yes yes	
		Material
Electrical connection		Cover material
Cable length L	2 m	Housing material
Conductor cross-section	0.25 mm <sup>2</sup>	Material jacket
Number of conductors	3	Material sensing surfa
Polarity reversal protected	yes	
Protection against device mix-ups Short-circuit protection	yes yes	Mechanical dat
	yes	Dimension
Electrical data		Installation Size
No-load current lo max. at Ue	17 mA	Thread (A)
Operating voltage Ub	1235 VDC	Tightening torque
Rated insulation voltage Ui	75 V DC	
Rated operating voltage Ue DC	24 V	
Switching frequency	100 Hz	
Utilization category	DC -12	

Environmental conditions	
Ambient temperature Contamination scale IP rating	1055 °C 1 IP67
Functional safety	
MTTF (40 °C)	217 а
Interface	
Analog output	Analog, current falling on approach
Material	
Cover material Housing material Material jacket Material sensing surface	PBT 1.4301 stainless steel PVC PBT
Mechanical data	
Dimension Installation Size Thread (A) Tightening torque	Ø 18 x 65 mm for flush mounting M18x1 M18x1 30 Nm

## Capacitive Sensors BCW M18B4M1-ICM80C-DV02 Order Code: BCW0001



Range/Distance

Measuring range

0...8 mm

Rated operating distance Sn Repeat accuracy max. (% of Sr) Temperature drift max. (% of Sr)

8 mm 1 % 10 %

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

