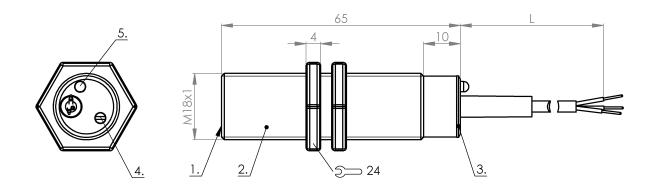
BCW M18B4M1-ICM80C-DV02

Order Code: BCW0001





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







Approval/Conformity	CE
	cULus
	WEEE
Basic standard	IEC 60947-5-7
Scope of delivery	Nut (2x)
	Screwdriver
	Short guide
Series	M18

Display/Operation

Function indicator yes Power indicator ves

Electrical connection

Cable length L 2 m Conductor cross-section 0.25 mm² **Number of conductors** 3 Polarity reversal protected ves Protection against device mix-ups yes Short-circuit protection yes

Electrical data

No-load current lo max. at Ue 17 mA Operating voltage Ub 12...35 VDC 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	1055 °C
Contamination scale	1
IP rating	IP67

Functional safety

MTTF (40 °C) 217 a

Interface

Analog output Analog, current falling on approach

Material

Cover material PBT Housing material 1.4301 stainless steel PVC Material jacket Material sensing surface PBT

Mechanical data

Dimension Ø 18 x 65 mm Installation for flush mounting Size M18x1 Thread (A) M18x1 Tightening torque 30 Nm

Capacitive Sensors

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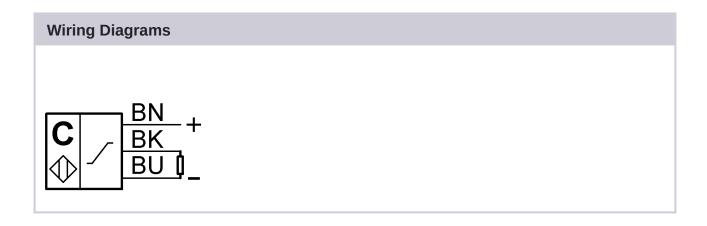
Range/Distance		Rated operating distance Sn	8 mm
Measuring range	08 mm	Repeat accuracy max. (% of Sr)	1 %
		Temperature drift may (% of Sr)	10 %

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.



Subject to change without notice: 367403