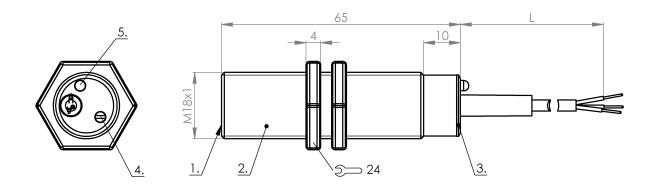
BCW M18B4M1-ICM80C-DV02

Order Code: BCW0001





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







Basic features		Environmental conditions	
Approval/Conformity Basic standard Scope of delivery	CE cULus WEEE IEC 60947-5-7 Nut (2x)	Ambient temperature Contamination scale IP rating Functional safety	1055 °C 1 IP67
	Screwdriver Short guide	MTTF (40 °C)	217 a
Series	M18	(15 3)	
		Interface	
Display/Operation		Analog output	Analog, current falling on
Function indicator	yes	• •	approach
Power indicator	yes		
		Material	
Electrical connection		Cover material	PBT
Cable length L	2 m	Housing material	1.4301 stainless steel
Conductor cross-section	0.25 mm ²	Material jacket	PVC
Number of conductors	3	Material sensing surface	PBT
Polarity reversal protected	yes		
Protection against device mix-ups	yes	Mechanical data	
Short-circuit protection	yes	Dimension	Ø 18 x 65 mm
		Installation	for flush mounting
Electrical data		Size	M18x1
No-load current lo max. at Ue	17 mA	Thread (A)	M18x1
Operating voltage Ub	1235 VDC	Tightening torque	30 Nm
Rated insulation voltage Ui	75 V DC		
Rated operating voltage Ue DC	24 V		
Switching frequency	100 Hz		
Utilization category	DC -12		

Capacitive Sensors

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Range/Distance		Rated operating distance Sn	8 mm
Anna mina mana a	0. 0	Repeat accuracy max. (% of Sr)	1 %
Measuring range	08 mm	Temperature drift max. (% 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.

Wiring Diagrams BN + BK BU L