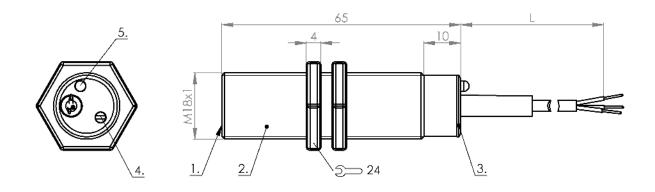
BCW M18B4M1-ICM80C-DV02

Order Code: BCW0001





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







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Basic	feature:	5

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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	yes

Electrical connection

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

Electrical data

No-load current lo max. at Ue	17 mA
Operating voltage Ub	1235 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

Functional safety MTTF (40 °C)	217 a
IP rating	IP67
ID voting	ID67
Contamination scale	1
Ambient temperature	1055 °C

Interface

Analog output	Analog, current falling on
	approach

Material

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

Mechanical data

Dimension	Ø 10 v 65 mm
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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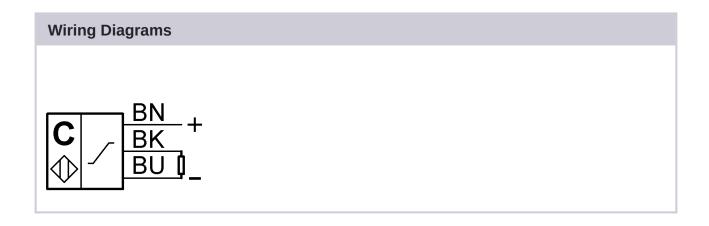
Range/Distance		Rated operating distance Sn	8 mm
NA	08 mm	Repeat accuracy max. (% of Sr)	1 %
Measuring range		Temperature drift may (% of Sr)	10 %

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