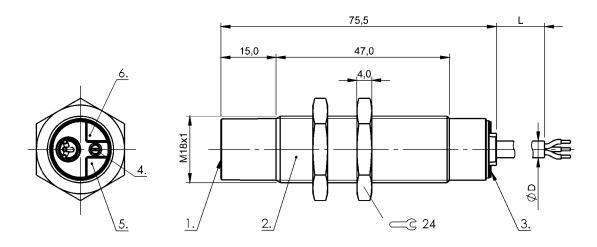
# BCS M18B4H1-NSC15H-EP02

Order Code: BCS00MA





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



Basic features

Conductor cross-section Number of conductors

Polarity reversal protected

Short-circuit protection

Protection against device mix-ups







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

0.34 mm<sup>2</sup>

yes

no

	ectrical	-  - 4 -
-1	ACTICA	nata

No-load current lo max. at Ue	20 mA
Operating voltage Ub	1030 VDC
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

# Interface

Switching output	NDN permelly open (NO)
Switching output	NPN normally open (NO)

# Material

Cover material	PA
Housing material	1.4305 stainless steel
Material jacket	PUR
Material sensing surface	PBT

Capacitive Sensors

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# Mechanical data

Dimension Ø 18 x 75.5 mm Installation non-flush M18x1 Size Thread (A) M18x1 Tightening torque 60 Nm

# Range/Distance

Hysteresis H max. (% of Sr) 15.0 % 2...15 mm Measuring range Rated operating distance Sn 15 mm Repeat accuracy max. (% of Sr) 2.0 % Temperature drift max. (% of Sr) 20 % [-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

Subject to change without notice: 186645