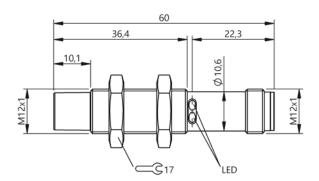
BCS M12K4D2-GSM80G-S04G

Order Code: BCS0179













basic realures	Ва	sic	features
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Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	2x nut M12x1 Installation guide
Sensitivity	Switching distance teachable
Series	M12
Display/Operation	
Function indicator	yes
Power indicator	yes
Electrical connection	
Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	

Electrical data

Load capacitance max. at Ue	220 nF
No-load current lo max. at Ue	15 mA
Operating voltage Ub	1230 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.	50 ms
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-1080 °C
Contamination scale	2
IP rating	IP67

Functional safety

MTTF (40 °C)	96.6 a
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Interface

Switching output	Push-pull PNP normally open
	(NO) / NPN normally closed (NC)

Material

Subject to change without notice: 262132

Cover material	PA 12
Housing material	1.4404 stainless steel
Material sensing surface	PEEK

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Mechanical data

 Dimension
 Ø 12 x 60 mm

 Installation
 non-flush

 Size
 M12x1

 Thread (A)
 M12x1

 Tightening torque
 8 Nm

Range/Distance

Hysteresis H max. (% of Sr) 15 %

Measuring range 0.5...8 mm

Rated operating distance Sn 8 mm

Repeat accuracy max. (% of Sr) 2 %

Temperature drift max. (% of Sr) 20 %

Remarks

For full calibration connect input DI to L+ for 2...7 seconds. For empty calibration connect to L+ for 7..12 seconds.

Input DI can be used for teaching the switching point. In normal operation input DI should be connected continuously to L-.

The push-pull switching outputs must not be connected in parallel.

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.

Connector Drawings



Wiring Diagrams

