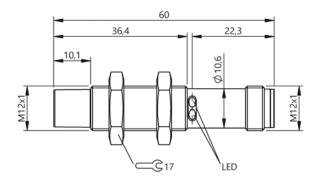
BCS M12K4D2-PIM80G-S04G

Order Code: BCS017C















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Bas	SIC	featu	res

Approval/Conformity	cULus CE UKCA 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	
Electrical connection Connection	M12x1-Male, 4-pin, A-coded
	M12x1-Male, 4-pin, A-coded yes
Connection	• •

Electrical data

Load capacitance max. at Ue	0.001 µF
No-load current Io max. at Ue	15 mA
Operating voltage Ub	1830 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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IO-Link

IO-Link Profil IDs	0x0001 SSP0
IO-Link function classes	0x8000 Device Identification
	0x8001 Binary Data Channel
	0x8002 Process Data Variables
	0x8003 Device Diagnosis
	0x8004 Teach Commands
Supported IO-Link Profiles	Legacy Smart Sensor Profile

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Interface

Cycle time min. 5 ms Interface 10-Link 1.1

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

Material

Cover material PA 12

Housing material 1.4404 stainless steel

Material sensing surface PEEK

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% 0.5...8 mm Measuring range 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-. Switching output- and function programmable using IO-Link.

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: 262134

Connector Drawings



Wiring Diagrams

