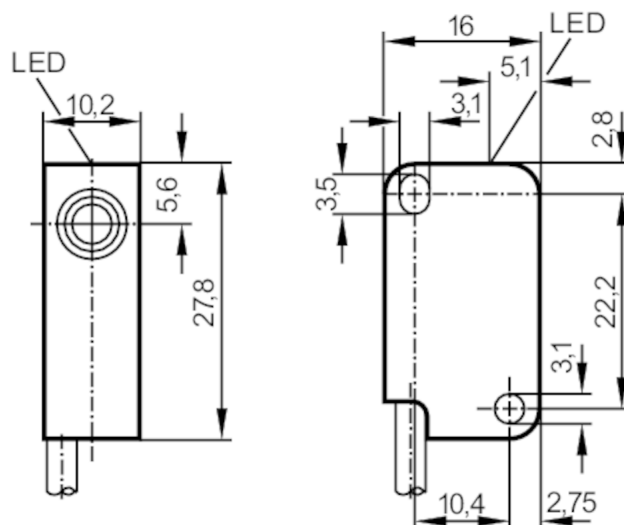




Inductive sensor

IS-3002-BPOG/10M

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	rectangular
Dimensions [mm]	28 x 10 x 16

Electrical data

Operating voltage [V]	10...36 DC; ("supply class 2" to cULus)
Current consumption [mA]	15; (24 V)
Protection class	III
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	800
Short-circuit protection	no
Overload protection	no

Detection zone

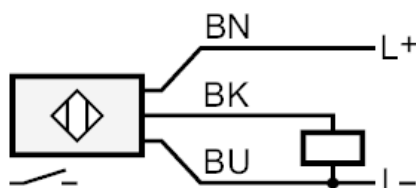
Sensing range [mm]	2
Real sensing range Sr [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6



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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-25...80
Protection			IP 67
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF		[years]	3044
Mechanical data			
Housing		rectangular	
Mounting		flush mountable	
Dimensions		[mm]	28 x 10 x 16
Materials		PBT	
Tightening torque		[Nm]	< 0.5; (with washer)
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 10 m, PVC; 3 x 0.14 mm²			
Connection			



Core colours :

BN = brown

BU = blue

BK = black