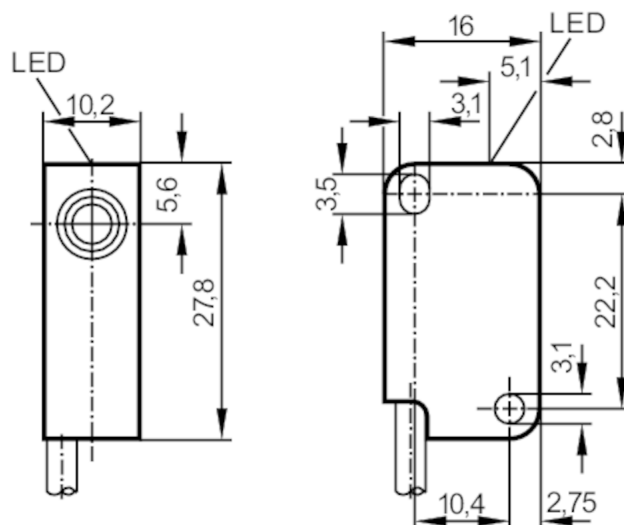


Inductive sensor

IS-2002-FROG/0,14M/PH

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	2
Housing	rectangular
Dimensions [mm]	28 x 10 x 16

Electrical data

Operating voltage [V]	5...36 DC
Reverse polarity protection	no

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.8
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
Short-circuit protection	no
Overload protection	no

Detection zone

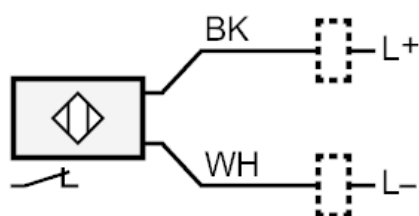
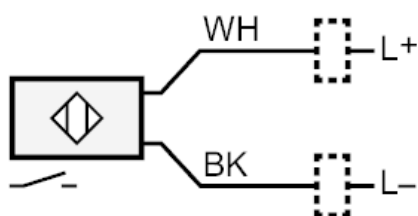
Sensing range [mm]	2
Real sensing range Sr [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.62



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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.9 / brass: 0.8 / aluminium: 0.6 / copper: 0.5
Hysteresis	[X01]	5
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	28 x 10 x 16
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
	max. tightening torque 0.5 Nm with washer	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 0.14 m, PUR / PVC; 2 x 0.14 mm²		
Connection		



Core colours :
 BK = black
 WH = white