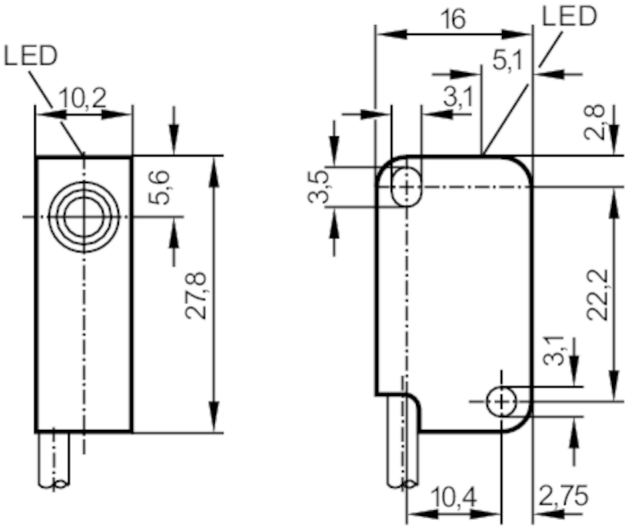




Inductive sensor

IS-2002-BROA RT



Product characteristics		
Output function		normally closed
Sensing range [mm]		2
Housing		rectangular
Dimensions [mm]		28 x 10 x 16
Electrical data		
Frequency AC [Hz]		45...65
Operating voltage [V]		20...140 AC / 10...140 DC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally closed
Max. voltage drop switching output DC [V]		7
Max. voltage drop switching output AC [V]		7
Minimum load current [mA]		5
Max. leakage current [mA]		0.8
Permanent current rating of switching output AC [mA]		200
Permanent current rating of switching output DC [mA]		200
Short-time current rating of switching output [mA]		900; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]		25
Switching frequency DC [Hz]		25
Short-circuit proof		no
Overload protection		no



Inductive sensor

IS-2002-BROA

RT

Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
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]	2006
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	power supply	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight	[g]	42
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, red
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Remarks		
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.



Inductive sensor

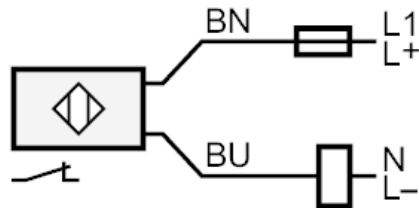
IS-2002-BROA

RT

Electrical connection

Cable: 2 m, PUR; 2 x 0.14 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 $\leq$ 2 A fast acting

Core colours :

BN =

brown

BU =

blue