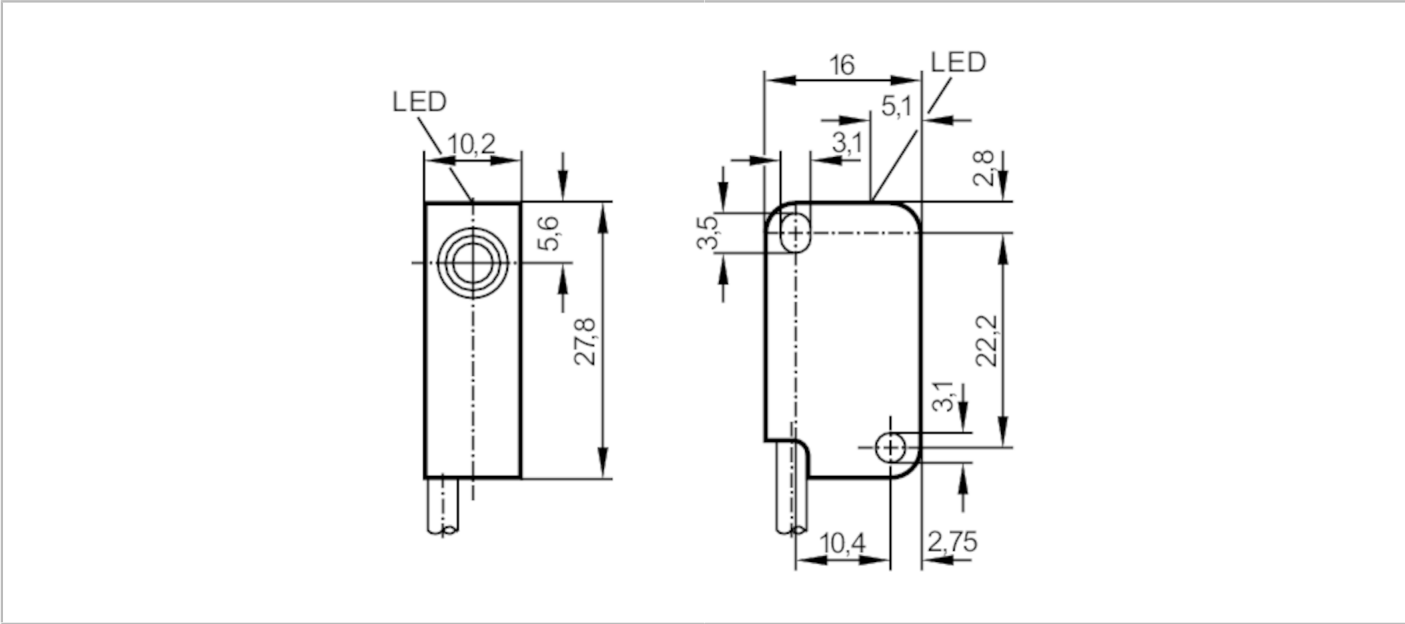




Inductive sensor

IS-2002-AROA RT

Article no longer available - archive entry



Product characteristics

Output function		normally open
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 open
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



Inductive sensor

IS-2002-AROA

RT

Short-circuit proof	no
Overload protection	no
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
UL approval	Ta
	0...40 °C
	Enclosure type
	Type 1
	power supply
	Hazardous voltage
	File number UL
	E174191
Mechanical data	
Weight [g]	42.1
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

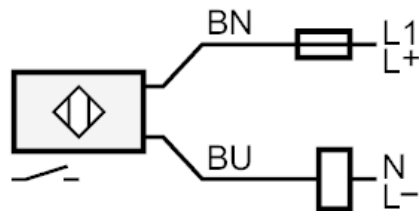
IS-2002-AROA

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