

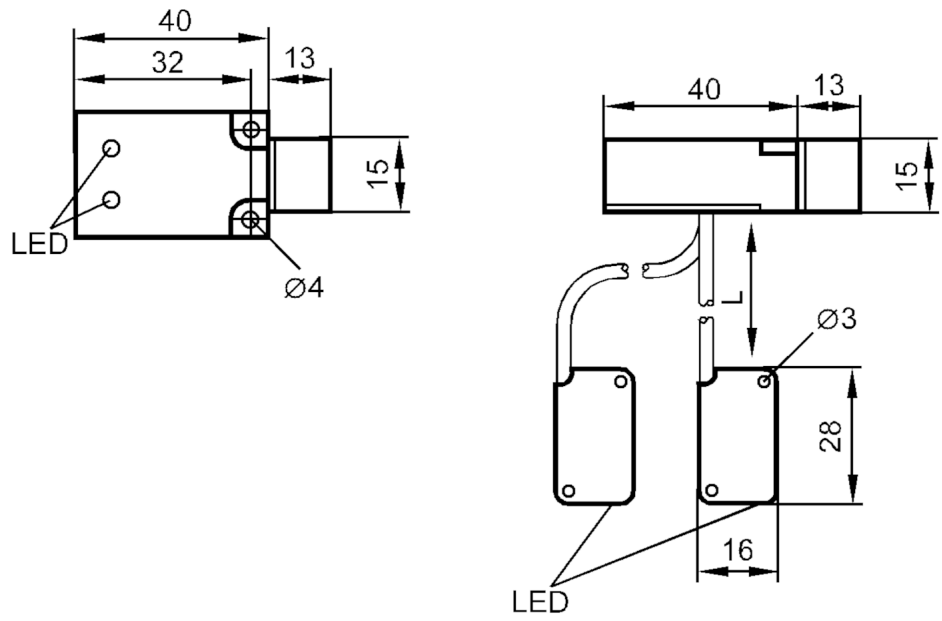
IS9200



Inductive sensor

IS-2002DARKG/US

Article no longer available - archive entry



1 L = 150 mm



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	rectangular
Dimensions [mm]	28 x 16 x 40

Electrical data

Operating voltage [V]	10...55 DC
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	3.7
Minimum load current [mA]	4
Max. leakage current [mA]	0.7
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

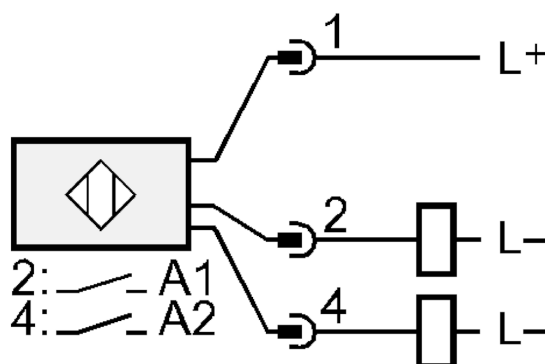
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Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	28 x 16 x 40
Material		PBT
Displays / operating elements		
Display	Switching status	2 x LED, yellow
	Power	2 x LED, green
Remarks		
Remarks		max. tightening torque 0.5 Nm with washer
Pack quantity		1 pcs.
Electrical connection		
Connection		



Connector: 1 x M12