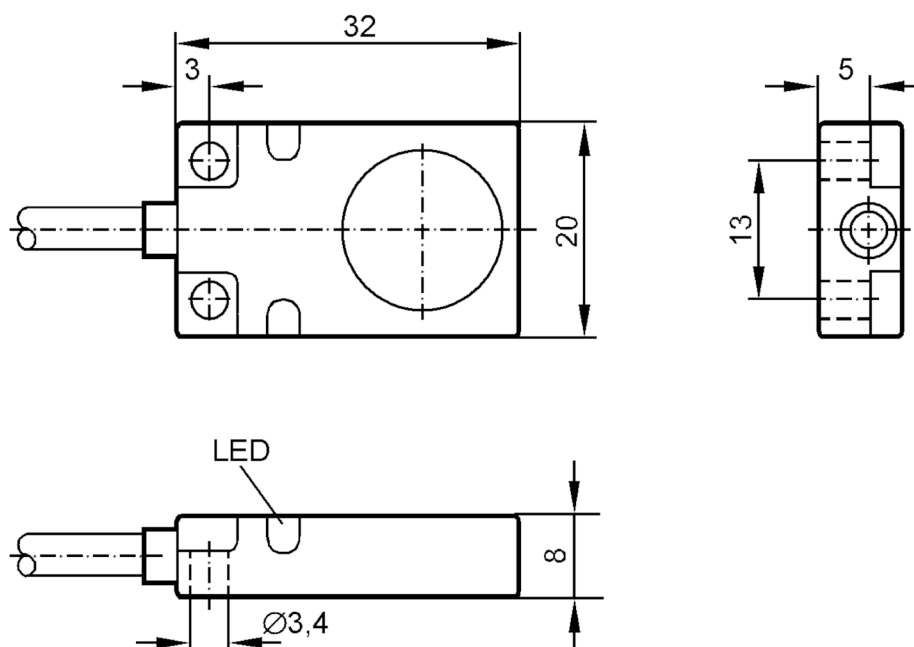


Pressure-resistant position sensor

I9-3005UBPKG/0,3MVH/US-100-DPS

Article no longer available - archive entry



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	5
Housing		rectangular
Dimensions	[mm]	32 x 20 x 8

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 10
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.8
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	5
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Pressure-resistant position sensor

I9-3005UBPKG/0,3MVH/US-100-DPS

Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-15...15

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	32 x 20 x 8
Materials		diecast zinc; PA 12-GF30

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 2 m, PVC; cross-linked; 3 x 0.34 mm²

Connector: 1 x M12; coding: A



Connection

