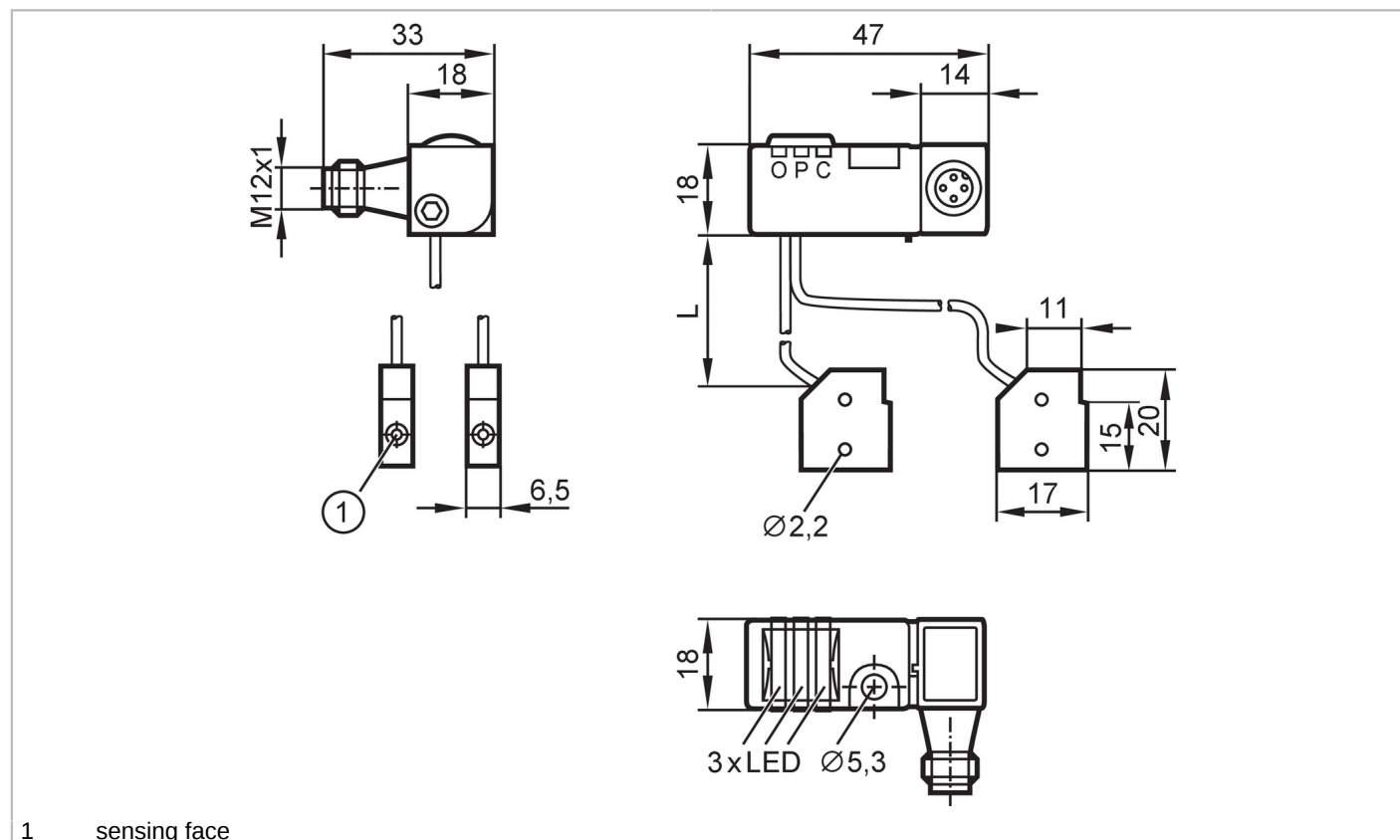


IN5375



Inductive sensor

INS3002DBPKG/US-100-YPS/S6A/16



Product characteristics

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

Application

Special feature	Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	2 x normally open
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	25

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Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

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

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.85 / aluminum: 0.4 / copper: 0.3	
Switch-point drift	[% of Sr]	-10...10

Operating conditions

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

Tests / approvals

EMC	IEC61000	
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Mechanical data

Weight	[g]	59.5
Housing		rectangular
Mounting		non-flush mountable
Material		housing: ABS
Length L	[mm]	160

Displays / operating elements

Display	Switching status	1 x LED, yellow sensor 1
	Switching status	1 x LED, red sensor 2
	Power	LED, green

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



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Connection

