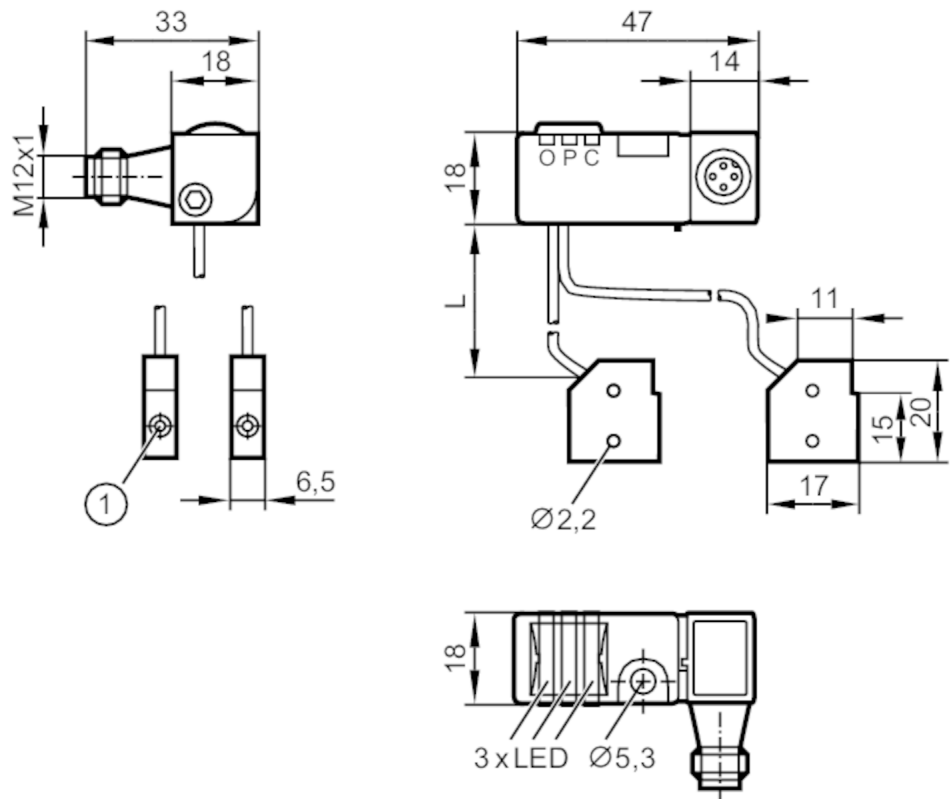


IN5459



Inductive sensor

INS3002DBPKG/US-100-YPS/S6A/20



1 sensing face



Product characteristics

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

Application

System	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



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Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	25
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
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 S_r]	-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]	200

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

