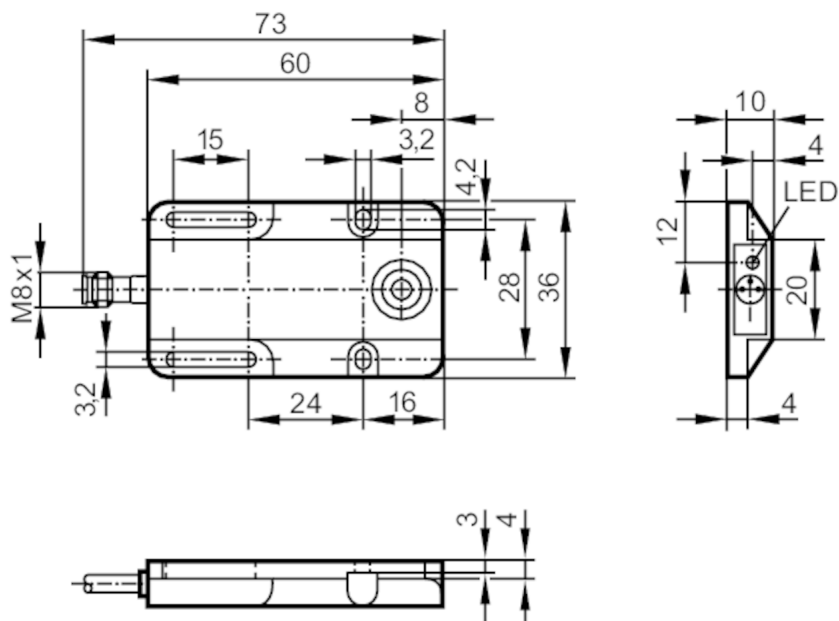




Inductive sensor

IW-3008-APKG/AS-610-TPO



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	8
Housing	rectangular
Dimensions [mm]	60 x 36 x 10

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	5; (24 V)
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5; (at I (load) < 50 mA and 0...50 °C: < 1,5)
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	8
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Inductive sensor

IW-3008-APKG/AS-610-TPO

Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; (with ifm socket duly screwed on: IP 67)

Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	1893

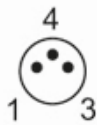
Mechanical data		
Weight	[g]	24.9
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	60 x 36 x 10
Material		PBT

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

