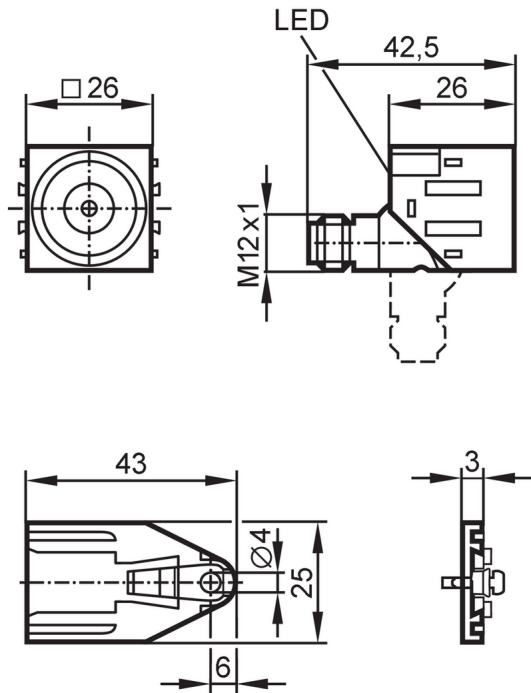


IO5016



Inductive sensor

IOW2010-ARKG/UP/US-100 RT



1 snap-fit mounting



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	10
Housing	rectangular
Dimensions [mm]	26 x 26 x 43

Application

Application	Industrial applications; Oils and coolants
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Electrical data

Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	2
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	250
Short-circuit protection	yes

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

Monitoring range	
Sensing range [mm]	10
Real sensing range Sr [mm]	10 ± 10 %
Operating distance [mm]	0...8.1

Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

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

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	2577	

Mechanical data	
Weight [g]	45.78
Housing	rectangular
Mounting	flush mountable
Dimensions [mm]	26 x 26 x 43
Material	PA

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

Accessories	
Items supplied	head cap screw: 1 x (M4 x 12 mm)

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug	
Connector: 1 x M12; coding: A; Contacts: 4; Locking: rotatable	
	

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Connection

