

IO9921

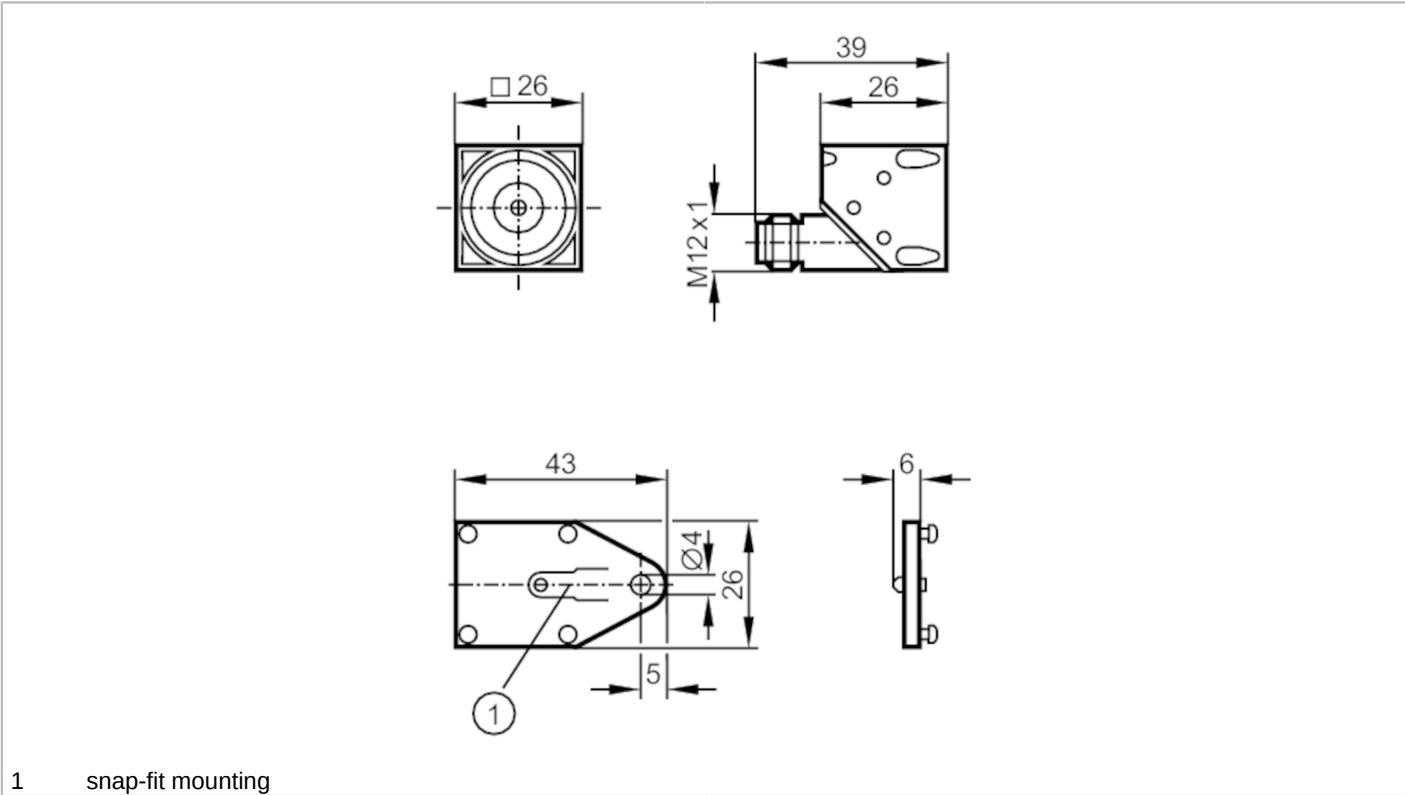


Inductive sensor

IOW2010-ARKG/UP/US-100 RT

Article no longer available - archive entry

Alternative articles: IO5016
When selecting an alternative article and accessories please note that technical data may differ!



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 39
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]	4.5
Minimum load current	[mA]	2
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	100



Inductive sensor

IOW2010-ARKG/UP/US-100 RT

Switching frequency DC	[Hz]	250
Short-circuit protection		yes
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: 0.4 / aluminum: 0.3 / copper: 0.2
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

Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	26 x 26 x 39
Material		PA

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

Accessories	
Items supplied	head cap screw: 1 x M4 x 10

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



IO9921



Inductive sensor

IOW2010-ARKG/UP/US-100 RT

Connection

