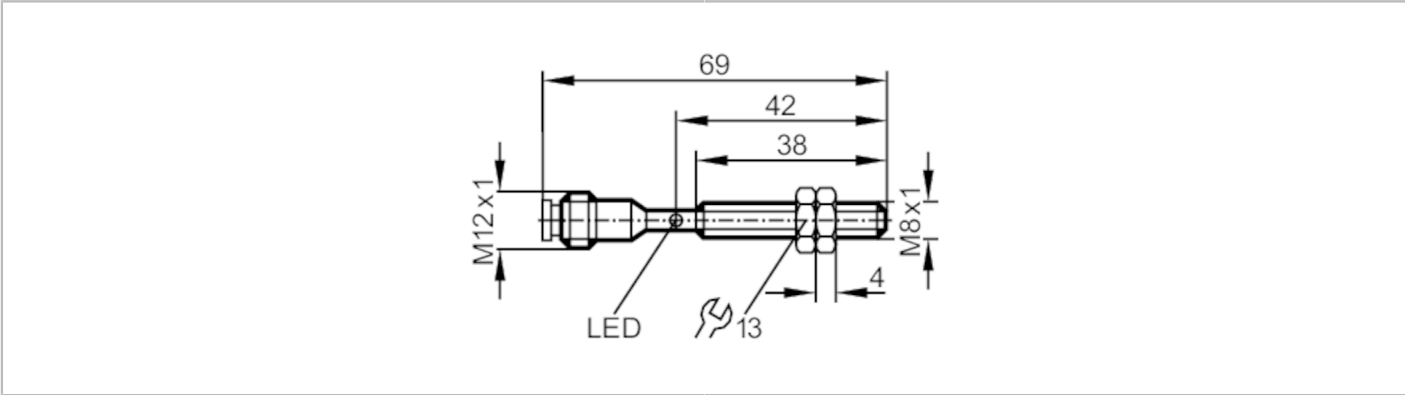




Inductive sensor

IEA2001-AROG/UP/US-100 RT

phase-out article



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	1
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 69
Electrical data		
Operating voltage	[V]	5...36 DC
Protection class		III
Reverse polarity protection		no
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	2000
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	1
Real sensing range Sr	[mm]	1 ± 10 %
Operating distance	[mm]	0...0.8
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

IE9940



Inductive sensor

IEA2001-AROG/UP/US-100 RT

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[ANN]	3367
Mechanical data		
Weight	[g]	25.1
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 69
Thread designation		M8 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

