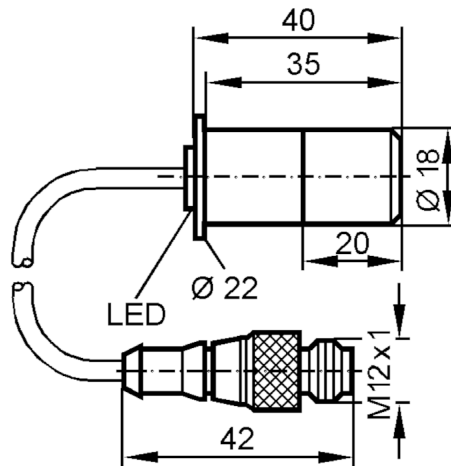


IG9917

Inductive sensor



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	10
Housing	tubular
Dimensions [mm]	Ø 18

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	5
Minimum load current [mA]	1.5
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	100
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

IG9917



Inductive sensor

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]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 18
Material		housing: brass PTFE coated; sensing face: PTFE
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.8 m, PVC		
Connector: 1 x M12; coding: A		
		

IG9917

Inductive sensor



Connection

