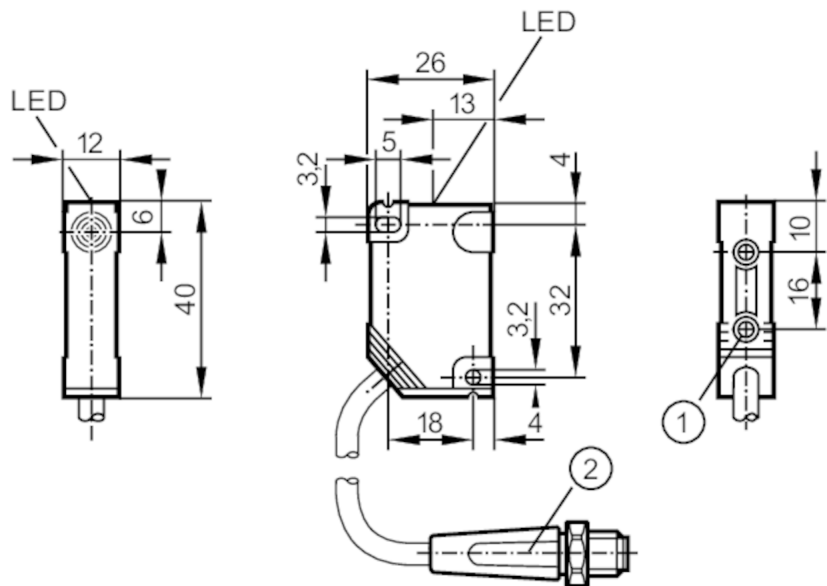




Inductive sensor

IN-3002-BPKG/0,15M/US



- 1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart
- 2 illustration (example)



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range [mm]		2
Housing		rectangular
Dimensions [mm]		40 x 12 x 26
Electrical data		
Operating voltage [V]		10...36 DC
Current consumption [mA]		15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC [V]		2.5
Permanent current rating of switching output DC [mA]		250
Switching frequency DC [Hz]		1400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

IN8503



Inductive sensor

IN-3002-BPKG/0,15M/US

Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	43.5
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.15 m, PVC; 3 x 0.5 mm ²		
Connector: 1 x M12; coding: A		
		

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Inductive sensor

IN-3002-BPKG/0,15M/US

Connection

