

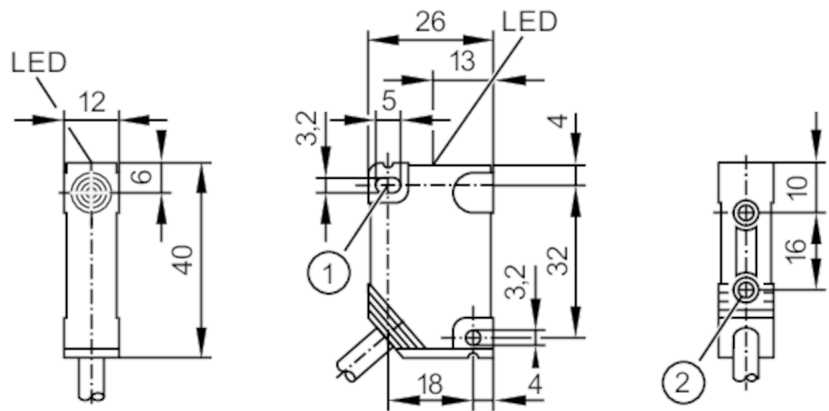
IN5255



Inductive sensor

IN-3002-APKG/400mA/PS

Article no longer available - archive entry



- 1 mounting hole
2 threaded bush M3 Depth 5.8 mm



Product characteristics

Electrical design	PNP
Output function	normally closed
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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250; (400 (...50 °C))
Switching frequency DC [Hz]	1200
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	2
Real sensing range Sr [mm]	2 ± 10 %

IN5255



Inductive sensor

IN-3002-APKG/400mA/PS

Operating distance	[mm]	0...1.6
--------------------	------	---------

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...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 12 x 26
Material		PBT

Mounting hole

Tightening torque	[Nm]	< 0.5
-------------------	------	-------

Threaded bush

Tightening torque	[Nm]	< 1.2; (when brass insert in contact with counterpart)
-------------------	------	--

Displays / operating elements

Display	Switching status	1 x LED, yellow
---------	------------------	-----------------

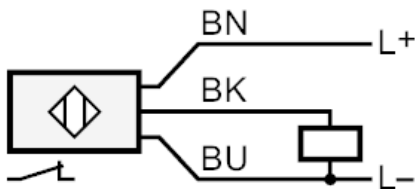
Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

Cable: 2 m, PUR; 3 x 0.5 mm²

Connection



Core colors :
BK = black
BN = brown
BU = blue