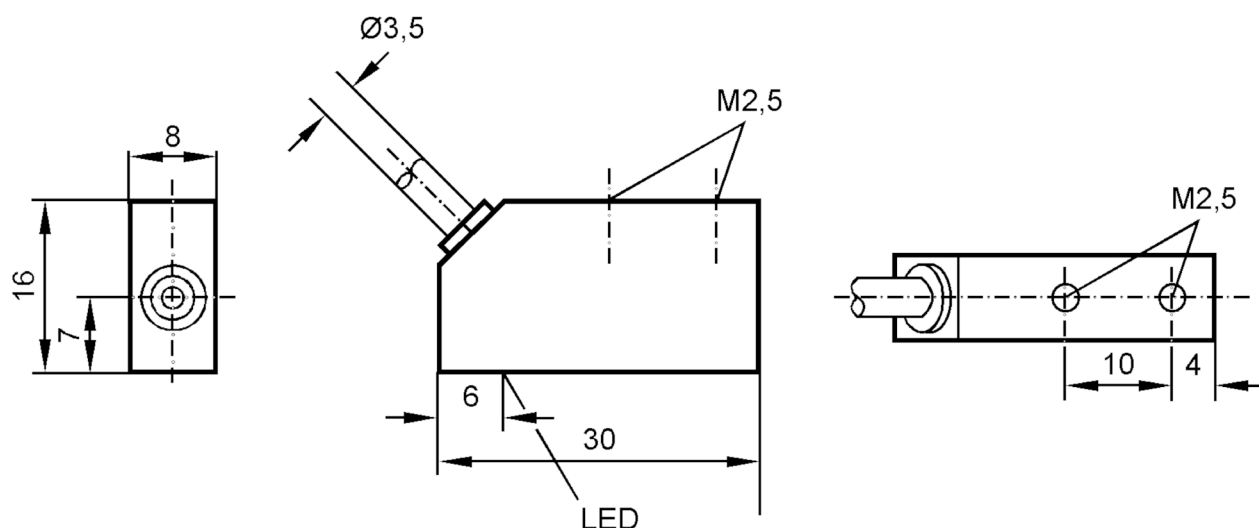


Inductive sensor

I9-3002-ANKG/0,3M/BH RT

Article no longer available - archive entry



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	2
Housing	rectangular
Dimensions [mm]	16 x 30 x 8

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 5
Protection class	III
Reverse polarity protection	yes

Outputs

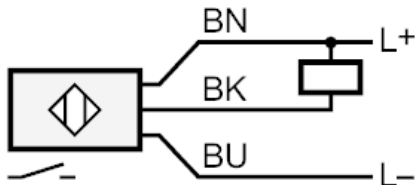
Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	50
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes



Inductive sensor

I9-3002-ANKG/0,3M/BH RT

Monitoring range		
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: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	0...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	16 x 30 x 8
Material		PA; AlMgSi0.5
Displays / operating elements		
Display	Switching status	1 x LED, red
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.3 m, PUR; 3 x 0.14 mm²		
Connection		



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