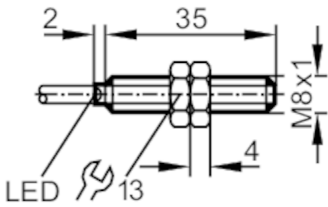


IE5427



Inductive sensor

IEB21,5-BRKG/2M/ZH



Product characteristics	
Electrical design	PNP/NPN
Output function	normally closed
Sensing range [mm]	1.5
Housing	Threaded type
Dimensions [mm]	M8 x 1 / L = 35
Electrical data	
Operating voltage [V]	10...30 DC
Protection class	III
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	2.8
Max. leakage current [mA]	0.4
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes
Monitoring range	
Sensing range [mm]	1.5
Real sensing range Sr [mm]	1.5 ± 10 %
Operating distance [mm]	0...1.2
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

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Inductive sensor

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Tests / approvals		
EMC	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011 emission	class B
MTTF	[years]	3004

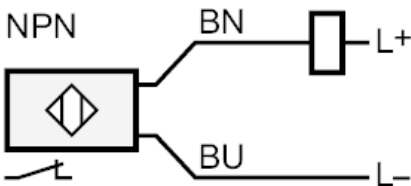
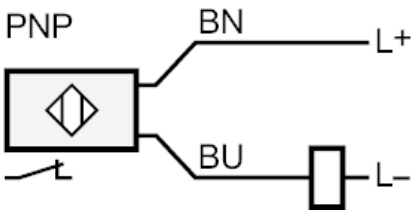
Mechanical data	
Weight	[g] 46
Housing	Threaded type
Mounting	flush mountable
Dimensions	[mm] M8 x 1 / L = 35
Thread designation	M8 x 1
Material	threaded sleeve: brass white bronze coated; sensing face: LCP
Tightening torque	[Nm] A = 5 mm: 1,5 Nm; B: 2 Nm

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PUR; 2 x 0.14 mm²	
Connection	



BN = Core colors : brown
BU = blue

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Inductive sensor

IEB21,5-BRKG/2M/ZH



Diagrams and graphs

Installation

