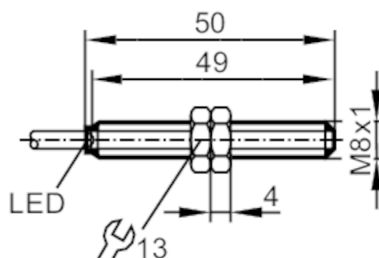




Inductive sensor

IEA3002BBPKG/2M/PUR



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	Threaded type
Dimensions [mm]	M8 x 1 / L = 50

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 15
Protection class	III
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]	200
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]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
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 S_r]	1...15
Switch-point drift [% of S_r]	-20...20

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

IE5448



Inductive sensor

IEA3002BBPKG/2M/PUR

Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	50.7
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Material		threaded sleeve: metal coated; sensing face: LCP
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; 3 x 0.14 mm ²		
Connection		



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