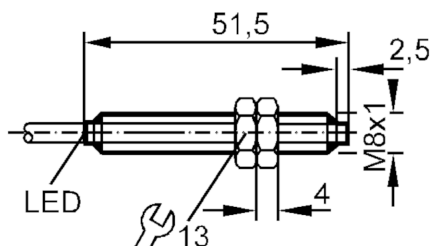


IE5317



Inductive sensor

IEA3004-BPKG/4M/PH RT



Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
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]	250
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	4
Real sensing range S_r	[mm]	$4 \pm 10\%$
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	3...20
Switch point drift	[% of S_r]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011
MTTF	[years]	3428
		class B

IE5317



Inductive sensor

IEA3004-BPKG/4M/PH RT

Mechanical data		
Weight	[g]	98.2
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M8 x 1
Thread designation		M8 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 4 m, PUR; 3 x 0.14 mm ²		
Connection		

