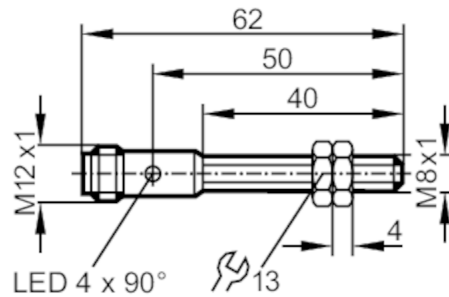


IE5219



Inductive sensor

IEA3001-BPKG/V2A/US-104-DPS



Electrical data	
Operating voltage [V]	10...36 DC; (to PELV)
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]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	1
Real sensing range S_r [mm]	$1 \pm 10\%$
Operating distance [mm]	0...0.8
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011
	class B
MTTF [years]	3491

IE5219



Inductive sensor

IEA3001-BPKG/V2A/US-104-DPS

Mechanical data		
Weight	[g]	23.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 62
Thread designation		M8 x 1
Materials		stainless steel (1.4305 / 303); LCP; PA
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12



Connection

