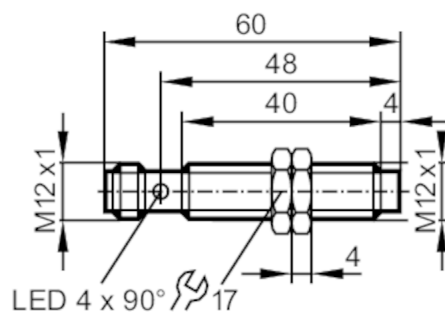


IF5850



Inductive sensor

IFK3004UBPKG/V4A/US-100-DPS



Application		
Magnetic-field immune		yes
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
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]	1400
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...15
Switch point drift	[% of S_r]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67



Inductive sensor

IFK3004UBPKG/V4A/US-100-DPS

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1906

Mechanical data

Weight	[g]	30.2
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 60
Thread designation		M12 x 1
Materials		stainless steel (1.4571/316Ti); PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Accessories

Accessories (supplied)	lock nuts: 2
------------------------	--------------

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection - plug

Connector: 1 x M12



Connection

