

IF5926

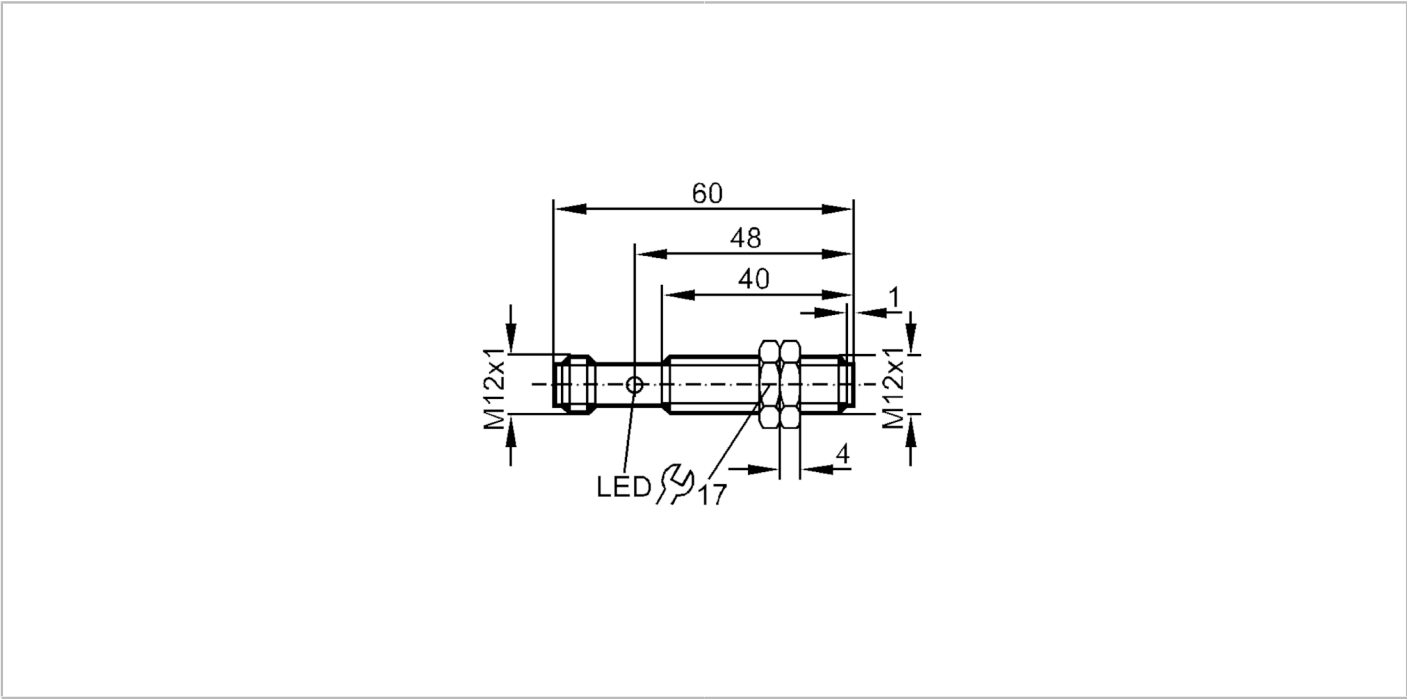


Inductive sensor

IFK3003-BPKG/V2A/US-104-DPS

Article no longer available - archive entry

Alternative articles: IFT203
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	3
Housing	Threaded type
Dimensions [mm]	M12 x 1
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]	400
Short-circuit protection	yes

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Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range	
Sensing range [mm]	3
Real sensing range S_r [mm]	$3 \pm 10 \%$
Operating distance [mm]	0...2.4

Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 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

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data	
Housing	Threaded type
Mounting	quasi-flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Material	stainless steel (1.4305 / 303); PC

Displays / operating elements		
Display	Switching status	4 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



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Connection

