

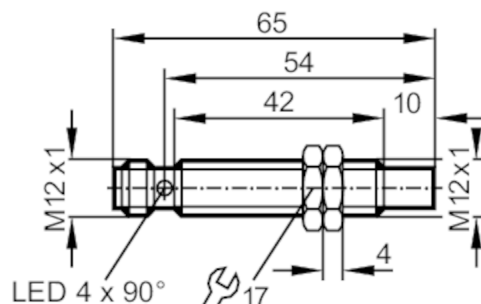
Inductive sensor

IFK3008-BPKG/M/K1/SC/US104-DPS

phase-out article

Alternative articles: IFW201

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]	8
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 65

Application

Special feature	Gold-plated contacts; Increased sensing range; Correction factor K = 1; Magnetic-field immune; anti-spatter
Application	Use in welding applications
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 20
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]	200
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



Inductive sensor

IFK3008-BPKG/M/K1/SC/US104-DPS

Detection zone		
Sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 1 / brass: 1 / aluminium: 1 / copper: 1
Hysteresis	[X01]	3...15
Switch point drift	[X01]	-10...10
Correction factor K = 1		yes
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[ANN]	1975
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	подача напруги	Limited Voltage/Current
	UL Approval no.	A005
	File number UL	E174191
Mechanical data		
Weight	[g]	35
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 65
Thread designation		M12 x 1
Materials		housing: brass anti-spatter; sensing face: Duroplast (PF)
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.



Inductive sensor

IFK3008-BPKG/M/K1/SC/US104-DPS

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

