

IF5941



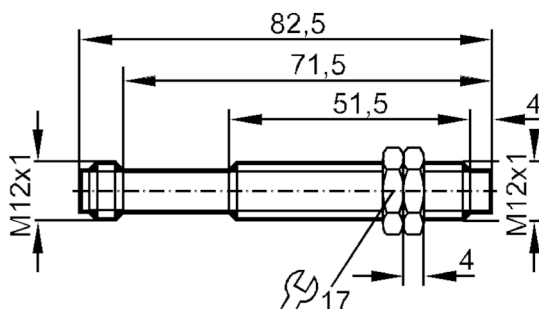
Inductive sensor

IFA2004-FRKG/V4A/US-100-IRF X

Article no longer available - archive entry

Alternative articles: IF5760

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Sensing range [mm]	4
Housing	Threaded type
Dimensions [mm]	M12 x 1

Electrical data

Operating voltage [V]	10...55 DC; (; to PELV)
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	1
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	1100
Short-circuit protection	yes

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Inductive sensor

IFA2004-FRKG/V4A/US-100-IRF X

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

Monitoring range	
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 / 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

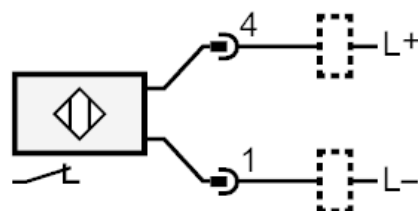
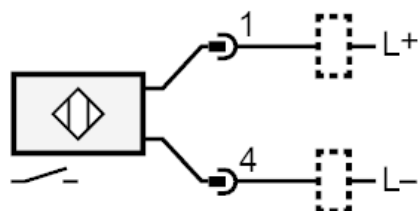
Tests / approvals	
EMC	EN 60947-5-2

Mechanical data	
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Material	stainless steel (1.4571/316Ti); PBT

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Connection	



Connector: 1 x M12