IF5941

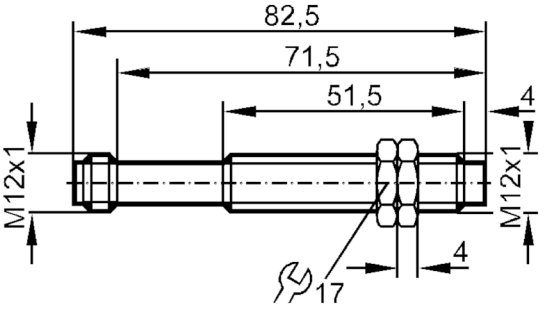
Inductive sensor

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!



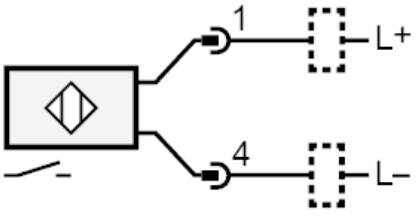
Product characteristics		
Electrical design		PNP/NPN
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1
Electrical data		
Operating voltage	[V]	10...55 DC; (; to PELV)
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open / normally 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

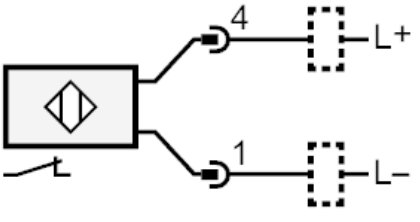
IF5941

Inductive sensor

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

Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 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 Sr]	3...15
Switch point drift	[% of Sr]	-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
Materials		stainless steel (1.4571/316Ti); PBT
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connection		





Connector: 1 x M12