



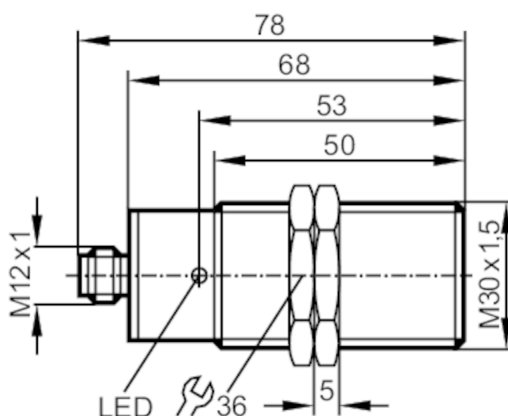
Inductive sensor

IIA2010-FRKG/V4A/US-100-IRF/RT

Article no longer available - archive entry

Alternative articles: II5751

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]	10
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 78

Application

System	gold-plated contacts
--------	----------------------

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
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]	0.8
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	450
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes



Inductive sensor

IIA2010-FRKG/V4A/US-100-IRF/RT

Monitoring range		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 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	
	EN 55011	class B
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 78
Thread designation		M30 x 1.5
Material		stainless steel (1.4571/316Ti); PC
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

II5732



Inductive sensor

IIA2010-FRKG/V4A/US-100-IRF/RT

Electrical connection - plug

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

