



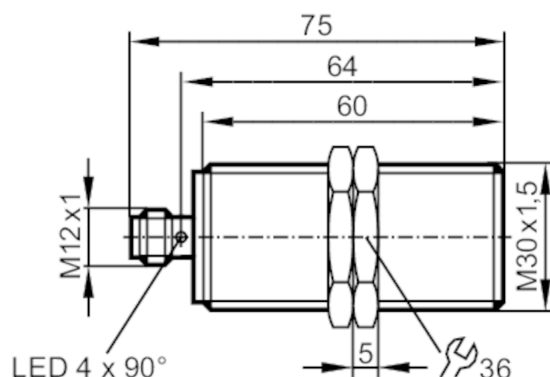
Inductive sensor

IIA3010ZBPKG/V4A/US-104

Article to be discontinued
Discontinuation date: 03/31/2026

Alternative articles: IIT216

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]	10
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 75

Application

System	gold-plated contacts
Application	Industrial applications

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	10
Protection class	III
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]	100
Switching frequency DC [Hz]	250
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes



Inductive sensor

IIA3010ZBPKG/V4A/US-104

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]	1...20
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...100
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	[years]	1134
Mechanical data		
Weight	[g]	161.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 75
Thread designation		M30 x 1.5
Material		housing: stainless steel (1.4404 / 316L); sensing face: PEEK natural; LED window: PEI; lock nuts: stainless steel (1.4404 / 316L)
Tightening torque	[Nm]	80
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; Contacts: gold-plated		
		

II5863



Inductive sensor

IIA3010ZBPKG/V4A/US-104

Connection

