

IG502A



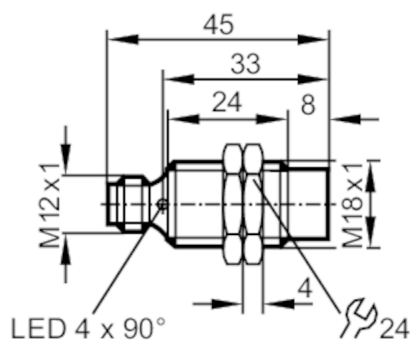
Inductive sensor

IGB4010-CPKG/V4A/US/3D

Article no longer available - archive entry

Alternative articles: IG514A

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



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	10
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 45

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	15; (24 V)
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	complementary
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	10
Real sensing range Sr [mm]	10 ± 10 %
Operating distance [mm]	0...8.1

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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] -20...60
Protection		IP 67
Tests / approvals		
ATEX marking		 II 3D Ex tD A22 IP67 T80°C X Ta: -20...60°C
EMC		EN 60947-5-2
Mechanical data		
Weight		[g] 0.07
Housing		Threaded type
Mounting		non-flush mountable
Dimensions		[mm] M18 x 1 / L = 45
Thread designation		M18 x 1
Material		stainless steel (1.4571/316Ti); sensing face: PBT
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



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Connection

