

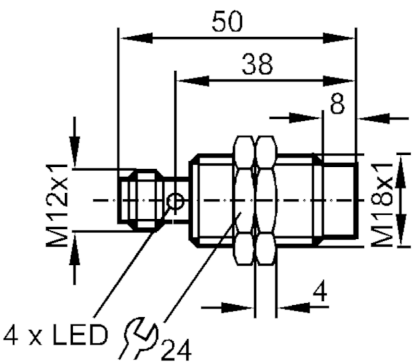


Inductive sensor

IGB3010-BPKG/US-104-DPS RT

phase-out article

Alternative articles: IGS288 or IGS291
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]	M18 x 1 / L = 50
Application		
Special feature		Gold-plated contacts
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	5; (24 V)
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]	250
Switching frequency DC	[Hz]	350



Inductive sensor

IGB3010-BPKG/US-104-DPS RT

Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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 / 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 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1887	

Mechanical data

Weight [g]	43.2
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M18 x 1 / L = 50
Thread designation	M18 x 1
Materials	stainless steel (316Ti/1.4571); PBT

Displays / operating elements

Display	switching status	4 x 90° LED, red
---------	------------------	------------------

Accessories

Items supplied	lock nuts: 2
----------------	--------------

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection - plug

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



Inductive sensor

IGB3010-BPKG/US-104-DPS RT

Connection

