

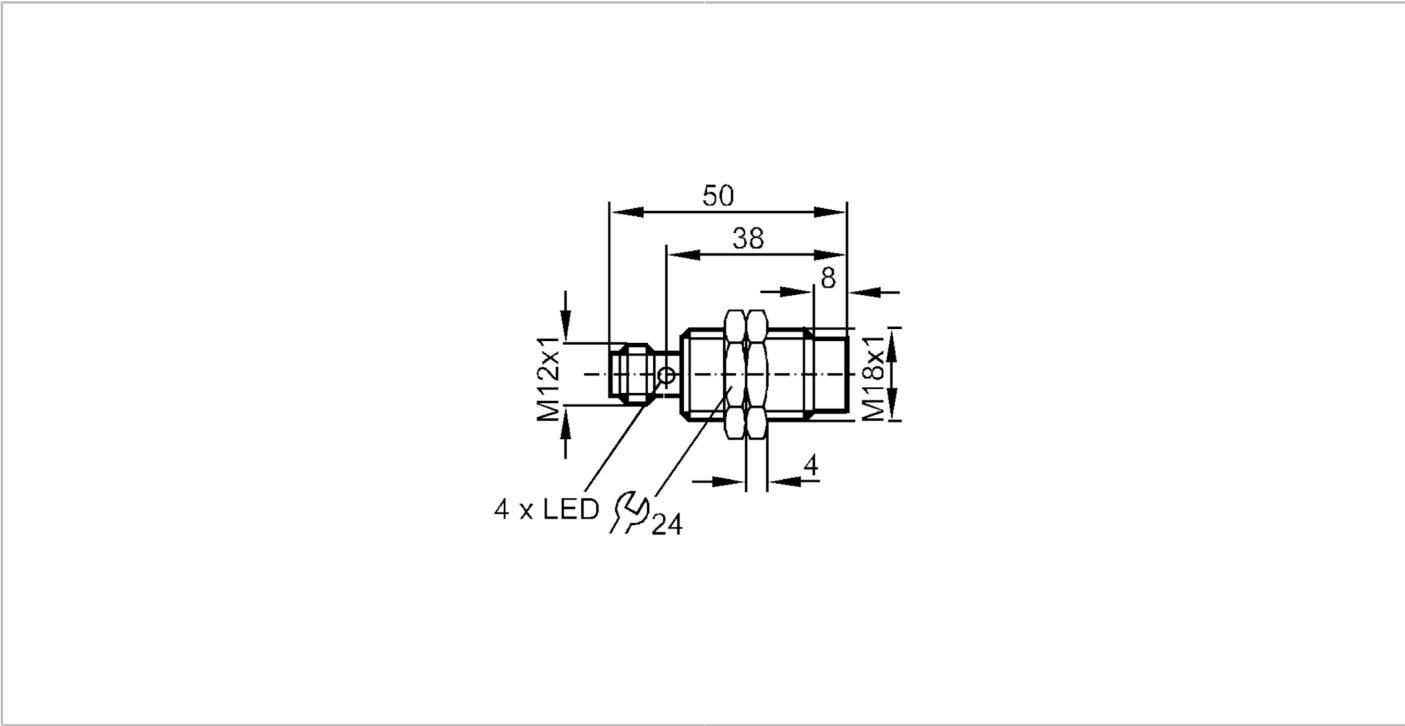


Inductive sensor

IGB3010-BPKG/US-104-DPS RT

Article to be discontinued

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
Application		
System		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



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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

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 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
Thread designation		M18 x 1
Material		stainless steel (1.4571/316Ti); PBT

Displays / operating elements

Display	Switching status	4 x 90° LED, red
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

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



IG5883



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Connection

