

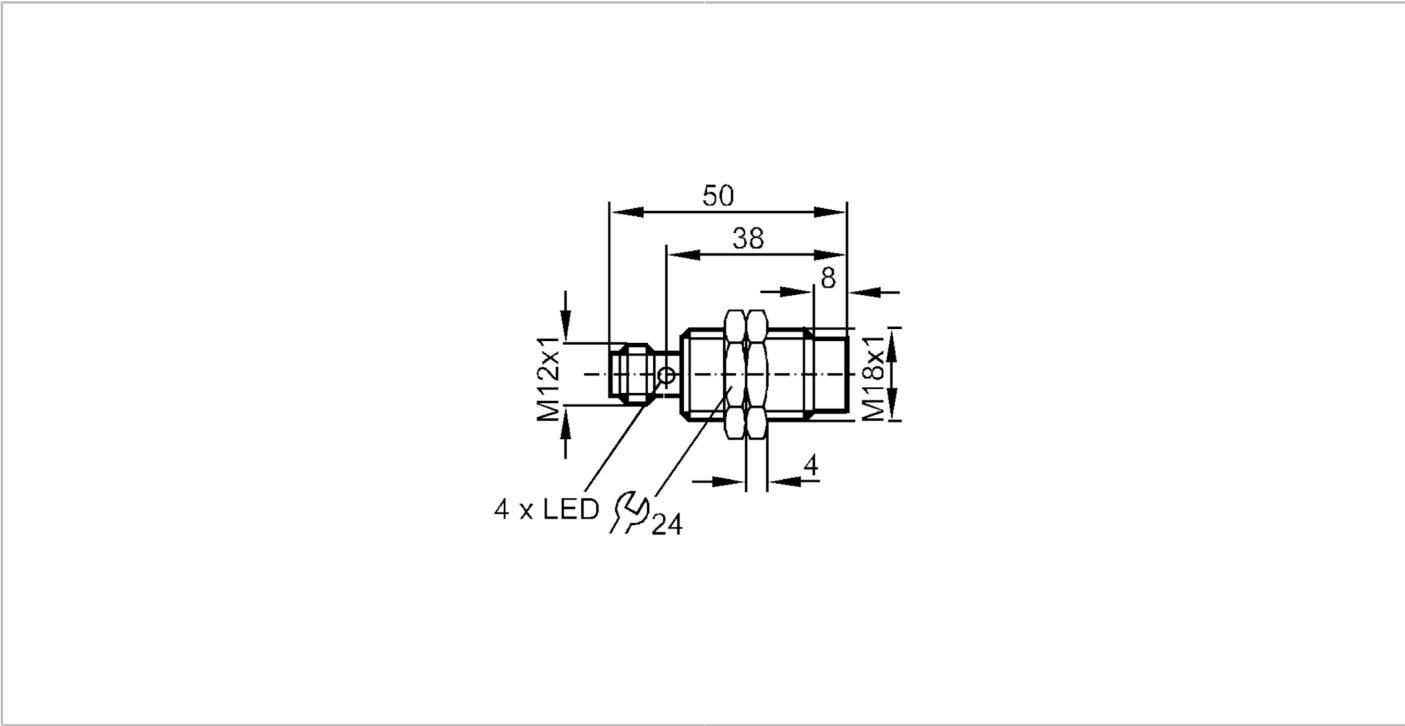


Inductive sensor

IGB3010-BPKG/US-104-DPS RT

Discontinued 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
Application		
System		gold-plated contacts
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	5; (24 V)
Reverse polarity protection		yes



Inductive sensor

IGB3010-BPKG/US-104-DPS RT

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	
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	class B
	EN 55011	
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
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; Contacts: gold-plated		

IG5883



Inductive sensor

IGB3010-BPKG/US-104-DPS RT



Connection

