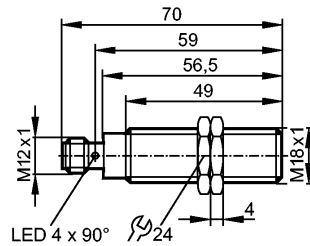




IGT219

IGK3008BBPKG/M/V4A/US-104-DPS

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Connector

Increased sensing range

Gold-plated contacts

Sensing range 8 mm; [f] flush mountable

Electrical data

Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 10
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	100
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	400

Range

Sensing range	[mm]	8
Operating distance	[mm]	0...6.5

Accuracy / deviations

Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.5 / Cu approx. 0.4
Hysteresis	[% of Sr]	1...20

Environment

Ambient temperature	[°C]	0...100
Protection		IP 68 / IP 69K

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 61000-4-5 Surge: 0.5 kV EN 61000-4-6 HF conducted: 10 V EN 55011: class B
-----	--	---

MTTF	[Years]	1689
------	---------	------



IGT219

IGK3008BBPKG/M/V4A/US-104-DPS



Inductive sensors

Mechanical data

Mounting	flush mountable
Housing materials	housing: stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight [kg]	0.054

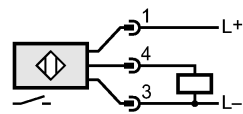
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
--------------------------	-----	------------------

Electrical connection

Connection	M12 connector; Gold-plated contacts
------------	-------------------------------------

Wiring



Accessories

Accessories (included)	2 lock nuts
------------------------	-------------

Remarks

Pack quantity	[piece]	1
---------------	---------	---