
Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Quick disconnect

Increased sensing range

Sensing range 22 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	50

Monitoring range

Sensing range [mm]	22
Operating distance [mm]	0...17.6

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15

Environment

Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1762

Mechanical data

Mounting	non-flush mountable
Housing materials	brass white bronze coated; active face: PBT



II5785

IIK3022-BPKG/US-104-DPS

Inductive sensors

Weight	[kg]	0.18
--------	------	------

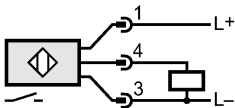
Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection

Connection	M12 connector
------------	---------------

Wiring



Accessories

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

Remarks

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