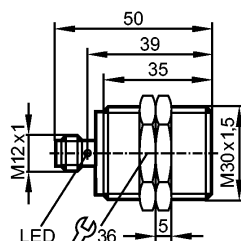


**IIS204**

IIB3015BBPKG/US-104

Inductive sensors



**Product characteristics**

Inductive sensor
Metal thread M30 x 1.5
Quick disconnect
Increased sensing range
gold-plated contacts
Sensing range 15 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...30 DC; cULus - Class 2 source required
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	yes
Overload protection	yes
Switching frequency [Hz]	100

**Monitoring range**

Sensing range [mm]	15
Real sensing range (Sr) [mm]	15 ± 10 %
Operating distance [mm]	0...12.15

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

**Environment**

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

**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 61000-4-6 HF conducted: 10 V
	EN 55011: class B

**IIS204**

IIB3015BBPKG/US-104

**Inductive sensors**

MTTF	[Years]	1528
UL approval number		A001

**Mechanical data**

Mounting		flush mountable
Housing materials		brass white bronze coated; active face: PBT orange; LED window: PEI; lock nuts: brass white bronze coated
Weight	[kg]	0.119

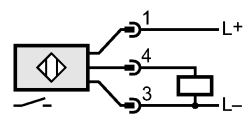
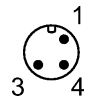
**Displays / operating elements**

Output status indication	LED	4 x yellow
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**Electrical connection**

Connection		M12 connector; gold-plated contacts
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**Wiring**



**Accessories**

Accessories (included)		2 lock nuts
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**Remarks**

Pack quantity	[piece]	1
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