

IFM IF5775 | IFK3004BBPKG/US-100-DPS |



Induktiver Sensor M12;4mm;Flush;Dubai Stock

Rating: Not Rated Yet

Price

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Description

[Product data from IFM site](#)

Product characteristics

- Inductive sensor
- Metal thread M12 x 1
- Quick disconnect
- Increased sensing range
- gold-plated contacts
- Sensing range 4 mm; [f] 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] =
- Current rating [mA] = 200
- Short-circuit protection = yes (non-latching)
- Overload protection = yes
- Switching frequency [Hz] = 700

Monitoring range

- Sensing range [mm] = 4
- Real sensing range (Sr) [mm] = $4 \pm 10\%$
- Operating distance [mm] = 0...3.25

Accuracy / deviations

- Correction factors = mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.5 / Cu approx. 0.4
- Hysteresis [% of Sr] = 1...20
- Switch-point drift [% of Sr] = -10...10

Environment

- Ambient temperature [°C] = -25...70
- Protection = IP 68; "Coolant"
- Tests / approvals
- EMC =
- EN 60947-5-2
- EN 55011: class B
- MTTF [Years] = 1727

Mechanical data

- Mounting = flush mountable
- Housing materials = housing: brass white bronze coated; active face: LCP uncolored
- Weight [kg] = 0.029

Displays / operating elements

- Output status indication LED = yellow

Electrical connection

- Connection = M12 connector; gold-plated contacts

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