

Pepperl Fuchs Inductive sensor NBB5-18GM50-E2-V1 Extended operating voltage range

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: NBB5-18GM50-E2-V1
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Manufacturer: PEPPERL FUCHS
- Product No: NBB5-18GM50-E2-V1
- Connection Type: Connector Plug
- Sensing Face: PBT , Green
- Threading: M12 X 1
- Number Of Pins: 3
- Length: 66 Mm
- Diameter: 18mm
- Highlight: **Pepperl Fuchs Inductive sensor, Inductive sensor NBB5-18GM50-E2-V1, NBB5-18GM50-E2-V1**



More Images



Product Description

Pepperl Fuchs Inductive sensor NBB5-18GM50-E2-V1 Extended operating voltage range

5 mm flush

Extended temperature range

-40 ... +85 °C

Extended operating voltage range

Flexible use with versatile mounting opportunities

General specifications

Switching function Normally open (NO)

Output type PNP

Rated operating distance 5 mm

Installation flush

Output polarity DC

Assured operating distance 0 ... 4.05 mm

Actuating element mild steel, e. g. 1.0037, SR235JR (formerly St37-2)

18 mm x 18 mm x 1 mm

Reduction factor rAl 0.35

Reduction factor rCu 0.29

Reduction factor r304 0.73

Reduction factor rBrass 0.44

Output type 3-wire

Nominal ratings

Operating voltage 5 ... 36 V

Switching frequency 0 ... 1950 Hz

Hysteresis typ. 5 %

Reverse polarity protection reverse polarity protected

Short-circuit protection pulsing

Voltage drop ≤ 1 V

Operating current 0 ... 200 mA

Off-state current max. 20 µA

No-load supply current ≤ 10 mA

Time delay before availability ≤ 10 ms

Switching state indicator Multihole-LED, yellow

Functional safety related parameters

MTTFd 1721 a

Mission Time (TM) 20 a

Diagnostic Coverage (DC) 0 %

Conformity

PWIS conformity VDMA 24364-A1/B2/C1/T100°C-W

Compliance with standards and directives

Standard conformity

Standards EN IEC 60947-5-2

Approvals and certificates

Protection class II

Rated insulation voltage 36 V

Rated impulse withstand voltage 500 V

UL approval cULus Listed, General Purpose, Class 2 Power Source

CCC approval CCC approval / marking not required for products rated ≤36 V

Marine approval DNVGL TAA00003AK

Ambient conditions

Ambient temperature -40 ... 85 °C (-40 ... 185 °F)

Storage temperature -40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type Connector plug

Housing material brass, white bronze coated

Sensing face PBT, green

Degree of protection IP65 / IP66 / IP67 / IP68

Connector

Threading M12 x 1

Number of pins 3

Mass 61 g

Dimensions

Length 66 mm

Diameter 18 mm

Mounting with nuts, M18

Tightening torque 0 ... 30 Nm



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RM 509, 5/F, THE CLOUD, 111, TUNG CHAU STREET, TAI KOKTSUI, KOWLOON, HONG KONG