

IB060186

INDUCTIVE SENSORS • INCREASED SWITCHING DISTANCE

sensor inductive, Ø6,5mm 46long, Quasi-flat, Sn: 3, 6-36V DC, PNP NO, Connector M8 3pin, IP67, Chromium-nickel steel, Static



MECHANICAL FEATURES

| | |
|--|-----------------------|
| Active area material of sensor | PBT |
| Alignment of cable entry | Axial |
| Ambient temperature | -25 °C ... 75 °C |
| Cable infeed | Axial |
| Degree of protection (IP) | IP67 |
| Design | Cylinder plain |
| Housing material | Chromium-nickel steel |
| Mechanical mounting condition for sensor | Quasi-flat |
| Pressure-proof | - |
| Sensor diameter | 6.5 mm |
| Sensor length | 46 mm |

ELECTRICAL FEATURES

| | |
|-----------------------------------|--------------|
| Cascadable | - |
| Correction factor (aluminum) | 0.3 |
| Correction factor (St37) | 1 |
| Correction factor (stainl. steel) | 0.65 |
| Decay time | 0.25 ms |
| Hysteresis | 20 % |
| No-load current | 10 mA |
| Number of pins | 3 |
| Operating voltage | 6 V ... 36 V |
| Rated switching current | 100 mA |
| Relative repeat accuracy | 1 % |
| Response time | 0.25 ms |
| Reverse polarity protection | + |
| Short-circuit protection | + |
| Suitable for safety functions | - |
| Supply voltage | 6 V ... 36 V |
| Switching behavior of the output | Static |
| Switching distance | 3 mm |
| Switching frequency | 2000 Hz |
| Type of electrical connection | Connector M8 |

ELECTRICAL FEATURES

| | |
|--|-----------------------|
| Type of switching function | Normally open contact |
| Type of switching output | PNP |
| Voltage drop | 2 V |
| Voltage type | DC |
| With LED display | + |
| With monitoring function of downstream devices | - |

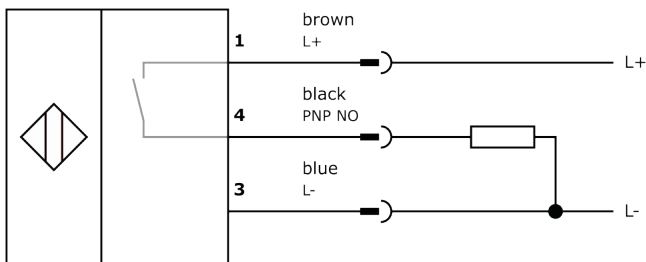
Other

| | |
|----------------------|-----------------------|
| Packaging dimensions | 100mm x 9.0mm x 120mm |
| Shipping weight | 0.01kg |
| Tariff code | 85365019 |

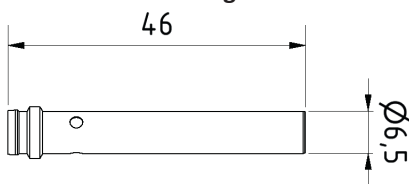
Classification

| | |
|-------------------|----------|
| ipf product group | 201 |
| eClass 8.0 | 27270101 |
| eClass 9.0 | 27270101 |
| eClass 9.1 | 27270101 |
| ETIM-5.0 | EC002714 |
| ETIM-6.0 | EC002714 |
| ETIM-7.0 | EC002714 |

Connection



Dimensional drawing



Installation



Mounting / installation may only be carried out by a qualified electrician!

Disposal



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.

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