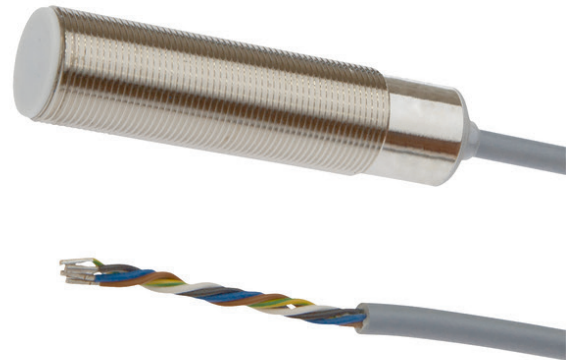


IB18E080

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, M18x1 70long, Flush, Sn: 5, 10-30V DC, 90°C, 2x PNP Anticoincidence, Cable 2m PVC, IP67, Brass Nickel-plated, ATEX, Static



MECHANICAL FEATURES

| | |
|--|-------------------------------|
| Active area material of sensor | Polytetrafluorethylene (PTFE) |
| Alignment of cable entry | Axial |
| Ambient temperature | -20 °C ... 90 °C |
| Cable infeed | Axial |
| Cable length | 2 m |
| Degree of protection (IP) | IP67 |
| Design | Cylinder, screw-thread |
| Housing coating | Nickel-plated |
| Housing material | Brass |
| Increased ambient temperatures > 80°C | + |
| Material of cable sheath | PVC |
| Mechanical mounting condition for sensor | Flush |
| Number of cores | 4 |
| Pressure-proof | - |
| Sensor length | 70 mm |
| Thread length | 55 mm |
| Thread pitch | 1 mm |
| Thread size, metric | 18 |

ELECTRICAL FEATURES

| | |
|----------------------------------|---------------|
| ATEX approval | + |
| Cascadable | - |
| No-load current | 15 mA |
| Norm measuring plate | 18x18x1 |
| Number of switching outputs | 2 |
| Rated switching current | 150 mA |
| Residual ripple | 10 % |
| Suitable for safety functions | - |
| Supply voltage | 10 V ... 30 V |
| Switching behavior of the output | Static |
| Switching distance | 5 mm |
| Switching frequency | 2000 Hz |
| Type of electrical connection | Cable |

ELECTRICAL FEATURES

| | |
|--|-----------------|
| Type of switching function | Anticoincidence |
| Type of switching output | PNP |
| Voltage drop | 2.5 V |
| Voltage type | DC |
| With LED display | + |
| With monitoring function of downstream devices | - |

OTHER FEATURES

| | |
|------------------------------------|----------------------------------|
| Explosion safety category for dust | ATEX dust-ex-protection, Cat. 2D |
| Explosion safety category for gas | ATEX gas-ex-protection, Cat. 2G |

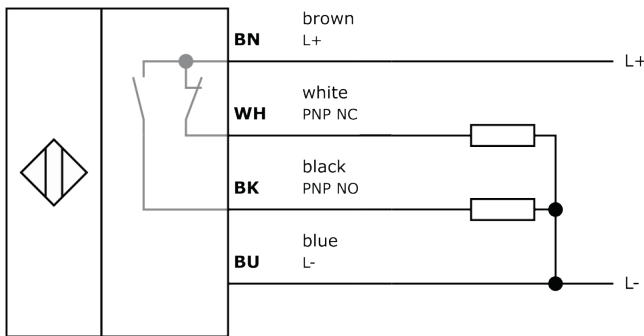
Other

| | |
|----------------------|----------------------------|
| Packaging dimensions | 124.0mm x 28.0mm x 149.0mm |
| Shipping weight | 0.18kg |
| Tariff code | 85365019 |

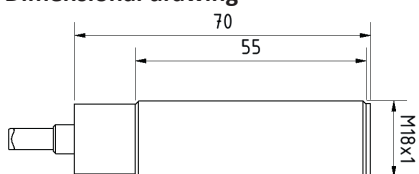
Classification

| | |
|-------------------|----------|
| ipf product group | 700 |
| 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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[IFRM04P1513/S35L](#) [IFRM06P1703/S35L](#) [IFRM08P1501/S35L](#) [IFRM12N17G3/L](#) [IFRM12P17G3/L](#) [IFRM12P3502/L](#) [IFRM12P37G1/S14L](#)
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