

IN850420

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, Ø200mm 60long, Non-flush, Sn: 140, 10-55V DC, PNP Anticoincidence, Connector M12 4pin, IP67, Aluminum / PTB



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 | Aluminum / PTB |
| Mechanical mounting condition for sensor | Non-flush |
| Pressure-proof | - |
| Sensor diameter | 200 mm |
| Sensor length | 60 mm |

ELECTRICAL FEATURES

| | |
|-----------------------------------|-----------------|
| Cascadable | - |
| Correction factor (aluminum) | 0.4 |
| Correction factor (brass) | 0.4 |
| Correction factor (copper) | 0.3 |
| Correction factor (St37) | 1 |
| Correction factor (stainl. steel) | 0.7 |
| No-load current | 4 mA |
| Number of pins | 4 |
| Rated switching current | 400 mA |
| Reverse polarity protection | + |
| Short-circuit protection | + |
| Suitable for safety functions | - |
| Supply voltage | 10 V ... 55 V |
| Switching distance | 140 mm |
| Switching frequency | 20 Hz |
| Type of electrical connection | Connector M12 |
| Type of switching function | Anticoincidence |
| Type of switching output | PNP |
| Voltage drop | 2 V |
| Voltage type | DC |

ELECTRICAL FEATURES

| | |
|--|---|
| With LED display | + |
| With monitoring function of downstream devices | - |

OTHER FEATURES

| | |
|---------------|---|
| Areas inquiry | + |
|---------------|---|

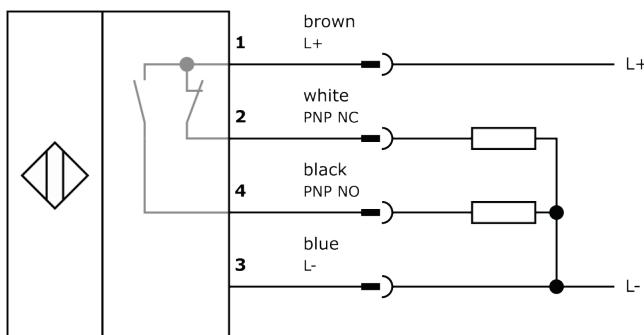
Other

| | |
|----------------------|----------------------|
| Packaging dimensions | 230mm x 80mm x 250mm |
| Shipping weight | 3.35kg |
| Tariff code | 85365019 |

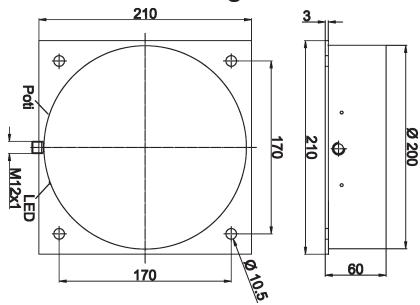
Classification

| | |
|-------------------|----------|
| ipf product group | 203 |
| 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.