

KN12C606

CAPACITIVE SENSORS • INCREASED AMBIENT TEMPERATURE

sensor capacitive, M12x1 50long, Non-flush, Sn: 0.5-10, 10-35V DC, 100°C, PNP Programmable/configurable, Cable 2m Silicone, IP67, PTFE, Manual adjustment



MECHANICAL FEATURES

| | |
|--|-------------------------------|
| Active area material of sensor | Polytetrafluorethylene (PTFE) |
| Ambient temperature | -25 °C ... 100 °C |
| Cable length | 2 m |
| Degree of protection (IP) | IP67 |
| Design | Cylinder, screw-thread |
| Housing material | Polytetrafluorethylene (PTFE) |
| Increased ambient temperatures > 80°C | + |
| Material of cable sheath | Silicone |
| Mechanical mounting condition for sensor | Non-flush |
| Number of cores | 4 |
| Pressure-proof | - |
| Sensor length | 50 mm |
| Teflon housing | + |
| Thread pitch | 1 mm |
| Thread size, metric | 12 |
| Wire cross section | 0.14 mm ² |

ELECTRICAL FEATURES

| | |
|--|---------------------------|
| Cascadable | - |
| Rated switching current | 250 mA |
| Reverse polarity protection | + |
| Setting procedure | Manual adjustment |
| Short-circuit protection | + |
| Suitable for safety functions | - |
| Supply voltage | 10 V ... 35 V |
| Switching distance | 4 mm |
| Switching distance | 0.5 mm ... 10 mm |
| Type of electrical connection | Cable |
| Type of switching function | Programmable/configurable |
| Type of switching output | PNP |
| Voltage type | DC |
| With monitoring function of downstream devices | - |

OTHER FEATURES

| | |
|-----------------|---|
| Level detection | + |
|-----------------|---|

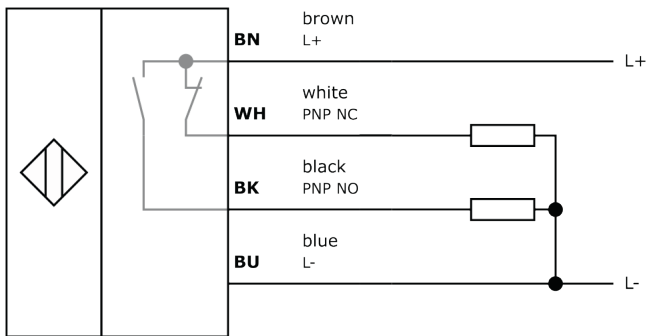
Other

| | |
|----------------------|---------------------------|
| Packaging dimensions | 77.0mm x 25.0mm x 123.0mm |
| Shipping weight | 0.1kg |
| Tariff code | 85365019 |

Classification

| | |
|-------------------|----------|
| ipf product group | 700 |
| eClass 8.0 | 27270102 |
| eClass 9.0 | 27270102 |
| eClass 9.1 | 27270102 |
| ETIM-5.0 | EC002715 |
| ETIM-6.0 | EC002715 |
| ETIM-7.0 | EC002715 |

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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