

XS1M18FB260

Proximity inductive sensor operating zone 0 to 6.4 mm



Main

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|------------------------------------|---|
| Range of product | Telemecanique Inductive proximity sensors XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Device application | Selective detection of ferrous materials |
| Sensor name | XS1 |
| Sensor design | Cylindrical M18 |
| Size | 62 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 8 mm |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 24...240 V AC/DC with reverse polarity protection |
| Switching capacity in mA | 5...200 mA with overload and short-circuit protection |
| IP degree of protection | IP68 conforming to IEC 60529 IP69K conforming to DIN 40050 |

Complementary

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|--------------------------|------------------------------|
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...6.4 mm |
| Differential travel | 1...15 % of Sr |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PVC |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 20...264 V AC/DC |
| Maximum residual current | 0.8 mA open state |
| Switching frequency | <= 1000 Hz DC |
| Maximum voltage drop | <5.5 V (closed state) |
| Current consumption | 0...15 mA no-load |
| Maximum delay first up | 25 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 0.5 ms |
| Marking | CE |
| Threaded length | 52 mm |
| Length | 62 mm |
| Net weight | 0.12 kg |

Environment

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|---------------------------------------|---|
| Product certifications | CSA[RETURN]UL |
| Ambient air temperature for operation | -25...70 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.5 cm |
| Package 1 Width | 14.8 cm |
| Package 1 Length | 8.2 cm |
| Package 1 Weight | 147 g |