Product data sheet
Characteristics

XS512B1NAL5
inductive sensor XS5 M12 - L35mm - brass - Sn2mm - 12..24VDC - cable 5m

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Commercial Status	Commercialised
Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific application	-
Sensor name	XS5
Sensor design	Cylindrical M12
Size	35 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.08 in (2 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	16.4 ft (5 m)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP69 K conforming to DIN 40050 IP68 double insulation conforming to IEC 60529

Complementary

ISO thread	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...0.06 in (0...1.6 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 5000 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.1 ms
Delay recovery	<= 0.1 ms

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Marking	CE
Threaded length	0.98 in (25 mm)
Height	0.47 in (12 mm)
Length	1.38 in (35 mm)
Product weight	0.43 lb(US) (0.195 kg)

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901465843
Nbr. of units in pkg.	1
Package weight(Lbs)	0.37
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0808 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

Contractual warranty

Period	18 months