XS618B4NAL2

inductive sensor XS6 M18 - L60mm - brass - Sn12mm - 12..48VDC - cable 2m

Green Premium™ Product

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

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS6
Sensor design	Cylindrical M18
Size	60 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.47 in (12 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...0.38 in (0...9.6 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED (yellow) output state
Supply voltage limits	10...58 V DC
Switching frequency	<= 1000 Hz DC
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.7 ms
Marking	CE
Threaded length	1.73 in (44 mm)

Length	2.36 in (60 mm)
Product weight	0.22 lb(US) (0.1 kg)

Environment

Product certifications	UL E2 CSA
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

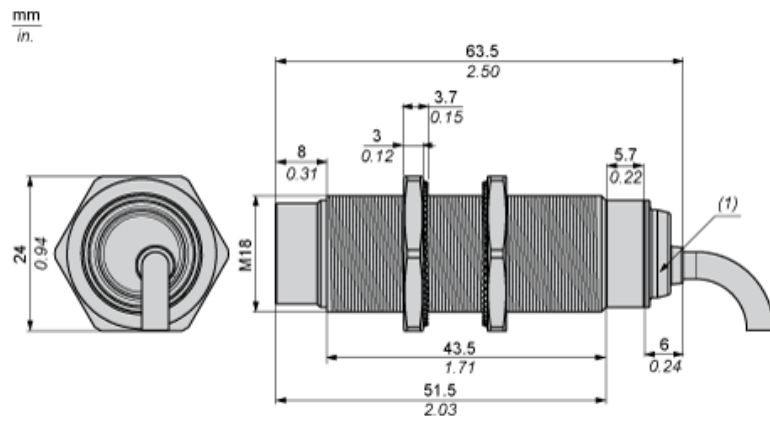| Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	003389119013987
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20000000000000001
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0936 - Schneider Electric declaration of conformity 🔗Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

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Dimensions

mm
in.

(1)   LED

Minimum Mounting Distances

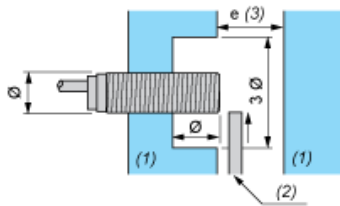Side by side

e (1) 72 mm/2.83 in.
≥

Face to face

e (2) 144 mm/5.67 in.
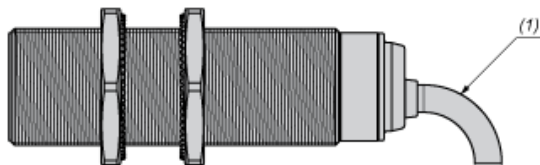≥

Facing a metal object

e (3) 36 mm/1.42 in
≥
(1)   Metal
(2)   Object to be detected

Mounting

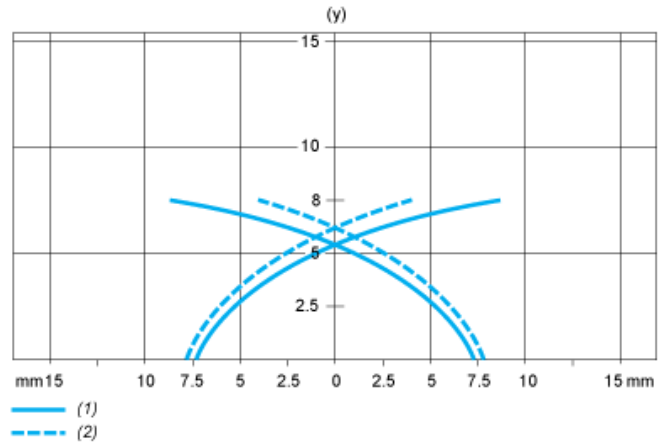(1)   Bending cable: 4 x external cable diameter

Wiring Schemes

NPN

BU : Blue
BN : Brown
BK : Black

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Performance Curves

Standard Steel Target : 24x24x1 mm

(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)
(y)   Sensing distance in mm

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