# Product data sheet Characteristics

### XS612B3DAM12

inductive sensor XS6 M12 - L50mm - brass - Sn4mm - 12..24VDC - M12



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 XS6 Sensor name Sensor design Cylindrical M12 Size 50 mm Body type Fixed Flush mountable Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing 0.16 in (4 mm) distance Discrete output function 1 NO DC Output circuit type Electrical connection Male connector M12 4 pins [Us] rated supply volt-12...24 V DC with reverse polarity protection Switching capacity in <= 100 mA DC with overload and short-circuit protec-IP67 conforming to IEC 60529 IP degree of protection

IP69K conforming to DIN 40050

#### Complementary

Complementary	
Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	00.13 in (03.2 mm)
Differential travel	115% of Sr
Status LED	1 LED (yellow) output state
Supply voltage limits	1036 V DC
Switching frequency	<= 2000 Hz DC
Voltage drop	<= 4 V, closed state
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.3 ms
Marking	CE
Threaded length	1.18 in (30 mm)
Length	1.97 in (50 mm)

#### Environment

Product certifications	UL CSA	
Ambient air temperature for operation	-13158 °F (-2570 °C)	
Ambient air temperature for storage	-40185 °F (-4085 °C)	
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 1055 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	003389119045520
Nbr. of units in pkg.	1
Package weight(Lbs)	8.9999999999997E-2
Returnability	N
Country of origin	FR

#### Offer Sustainability

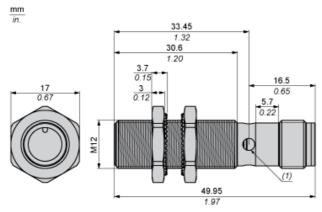
Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)	Compliant - since 1004 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity	
REACh	Reference not containing SVHC above the threshold	
Product environmental profile	Available	
Product end of life 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	

# XS612B3DAM12

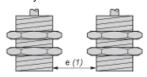
#### **Dimensions**



# XS612B3DAM12

#### Minimum Mounting Distances

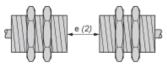
#### Side by side



e (1) 8 mm/0.31 in.

≥

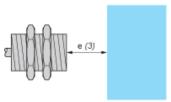
Face to face



e (2) 48 mm/1.89 in.

≥

Facing a metal object



e (3) 12 mm/0.47 in.

≥

### Product data sheet Connections and Schema

### XS612B3DAM12

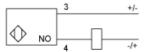
#### Wiring Schemes

#### 2-Wire Non-polarised

M12 connector



NO output



# **Mouser Electronics**

**Authorized Distributor** 

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Schneider Electric: XS612B3DAM12