Product data sheet
Characteristics

XS7C1A1DBL01M12
inductive sensor XS7 40x40x15 - PBT - Sn15mm - 12..24VDC - M12 0.15m

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS7
Sensor design	Flat form 40 x 40 x 15
Size	15 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	4 pins M12 remote male connector
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	1.5...100 mA DC overload and short-circuit protection
IP degree of protection	IP67 double insulation IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0.00…0.47 in (0…12 mm)
Differential travel	1...15% of Sr
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	5 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Depth	0.59 in (15 mm)
Height	1.57 in (40 mm)
Width	1.57 in (40 mm)

Environment

Product certifications	Ecolab C-Tick UL 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 +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901293415
Returnability	No
Country of origin	ID

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations End of Life Information

Contractual warranty

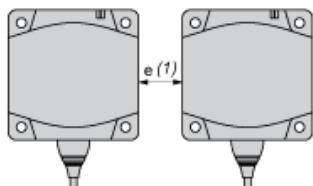|	
Warranty	18 months

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Dimensions
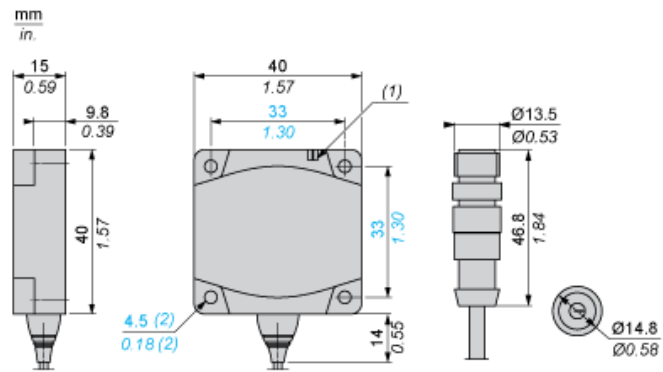
(1) LED
(2) For CHC type screws

Setting-up

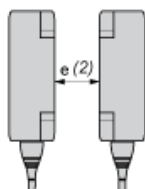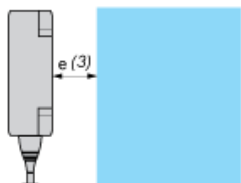### Minimum Mounting Distances (mm)

Side by Side
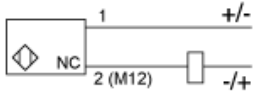

e (1) ≥ 45

Face to Face

e (2) ≥ 110

Facing a Metal Object

e (3) ≥ 45

Wiring Schemes

2-Wire NC

M12