XS8C1A1NAL01M12

Inductive proximity sensors XS, inductive sensor XS8 40x40x15, PBT, Sn25mm, 12...24 VDC, M12 0.15 m





Main

Series name General purpose Sensor Type Inductive proximity sensor Device Application - Sensor name XS8 Sensor design Flat form 40 x 40 x 15 Size 15 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure Material PBT Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Range of Product	Telemecanique Inductive proximity sensors XS
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Size 15 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure Material PBT Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA	Sensor name	XS8
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acceptance Material Plastic Enclosure Material PBT Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.59 In (15 mm) flush mountable 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA	Body type	Fixed
Enclosure Material PBT Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.59 In (15 mm) flush mountable 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA Signal PBT Discrete N=N N=N N=N N=N N=N N=N N=N	•	Non flush mountable
Type of output signal Wiring Technique [Sn] nominal sensing distance 0.59 In (15 mm) flush mountable 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA	Material	Plastic
Wiring Technique 3-wire [Sn] nominal sensing distance 0.59 In (15 mm) flush mountable 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA <= 200 mA DC overload and short-circuit protection	Enclosure Material	PBT
[Sn] nominal sensing distance 0.59 In (15 mm) flush mountable 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA County 1224 V DC reverse polarity protection Switching capacity in mA	Type of output signal	Discrete
distance 0.98 in (25 mm) non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA	Wiring Technique	3-wire
Output circuit type DC Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection Switching capacity in mA Cable length 0.49 ft (0.15 m) The protection of t		,
Discrete output type NPN Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection Switching capacity in mA The protection of the protection and short-circuit protection and short-circuit protection mA	Discrete output function	1 NO
Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection voltage	Output circuit type	DC
Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection Switching capacity in mA <= 200 mA DC overload and short-circuit protection	Discrete output type	NPN
[Us] rated supply voltage Switching capacity in mA 1224 V DC reverse polarity protection 200 mA DC overload and short-circuit protection	Electrical connection	Remote male connector M12, 4 pins
voltage Switching capacity in mA <= 200 mA DC overload and short-circuit protection mA	Cable length	0.49 ft (0.15 m)
mA		1224 V DC reverse polarity protection
IP degree of protection IP67 double insulation conforming to IEC 60529	0 . ,	<= 200 mA DC overload and short-circuit protection
	IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal	
Front material	РВТ	
Fine adjustment zone	0.310.59 In (815 mm) flush mountable 0.310.98 in (825 mm) non flush mountable	
Differential travel	115% of Sr	
Wire insulation material	PvR	
Supply voltage limits	1036 V DC	
Maximum residual current	1.5 mA open state	
Switching frequency	<= 1000 Hz	
Maximum voltage drop	<2 V closed)	
Current consumption	<= 10 mA no-load	
Maximum delay first up	10 ms	
Maximum delay response	0.3 ms	
Maximum delay recovery	0.8 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 CSA UL	
Ambient Air Temperature for Operation	-13158 °F (-2570 °C)	
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)	
Vibration resistance	25 gn +/- 2 mm 1055 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	3389110142754
Nbr. of units in pkg.	1
Package weight(Lbs)	3.10 oz (88.0 g)
Returnability	No
Country of origin	FR

Packing Units

i doking office	
Unit Type of Package 1	PCE
Package 1 Height	2.56 in (6.5 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	1.61 in (4.1 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	20
Package 2 Weight	4.38 lb(US) (1.985 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to	
www.P65Warnings.ca.gov	
☑ REACh Declaration	
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Yes	
₫Yes	
Product Environmental Profile	

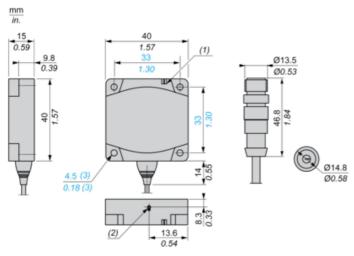
Contractual warranty

Contraction Warranty	
Warranty	18 months

Product data sheet Dimensions Drawings

XS8C1A1NAL01M12

Dimensions



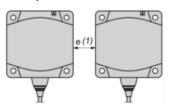
- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

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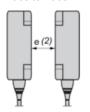
Setting-up

Minimum Mounting Distances (mm)

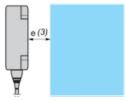
Side by Side



Face to Face



Facing a Metal Object



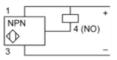
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

Product data sheet Connections and Schema

XS8C1A1NAL01M12

Wiring Schemes

NPN



M12

