Product data sheet Characteristics

XS8C2A4DBM12

inductive sensor XS8 40x40x70 - PBT - Sn40 mm - 12..48VDC - M12





Main

Series name General purpose Sensor type Inductive proximity sensor Device application - Sensor name XS8 Sensor design Form 40 x 40 x 70 Size 70 mm Body type Fixed Detector flush mounting acceptance Non flush mountable Type of output signal PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP69K DIN 40050	Range of product	OsiSense XS
Device application Sensor name XS8 Sensor design Form 40 x 40 x 70 Size 70 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP65 IEC 60529	Series name	General purpose
Sensor name XS8 Sensor design Form 40 x 40 x 70 Size 70 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP65 IEC 60529 IP65 IEC 60529	Sensor type	Inductive proximity sensor
Sensor design Form 40 x 40 x 70 Size 70 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique [Sn] nominal sensing distance Discrete output function Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP65 IEC 60529	Device application	-
Size 70 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP65 IEC 60529	Sensor name	XS8
Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP65 IEC 60529	Sensor design	Form 40 x 40 x 70
Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529 IP65 IEC 60529	Size	70 mm
acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529	Body type	Fixed
Enclosure material PBT Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529	· ·	Non flush mountable
Type of output signal Discrete Wiring technique [Sn] nominal sensing distance Discrete output function Output circuit type DC Electrical connection [Us] rated supply voltage Switching capacity in mA IP degree of protection Discrete 40 mm 40 mm And NC DC Electrical connector Male connector M12, 4 pins 1248 V DC reverse polarity protection 1.5100 mA overload and short-circuit protection IP67 IEC 60529 IP65 IEC 60529	Material	Plastic
Wiring technique [Sn] nominal sensing distance Discrete output function Output circuit type DC Electrical connection [Us] rated supply voltage Switching capacity in mA IP degree of protection 2-wire 40 mm 40 mm And NC DC Electrical connector M12, 4 pins 1248 V DC reverse polarity protection 15100 mA overload and short-circuit protection IP67 IEC 60529 IP65 IEC 60529	Enclosure material	PBT
[Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529	Type of output signal	Discrete
Discrete output function 1 NC Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529	Wiring technique	2-wire
Output circuit type DC Electrical connection Male connector M12, 4 pins [Us] rated supply voltage 1248 V DC reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529		40 mm
Electrical connection [Us] rated supply voltage Switching capacity in mA IP degree of protection Male connector M12, 4 pins 1248 V DC reverse polarity protection 1.5100 mA overload and short-circuit protection IP67 IEC 60529 IP65 IEC 60529	Discrete output function	1 NC
[Us] rated supply voltage Switching capacity in mA IP degree of protection 1248 V DC reverse polarity protection 1.5100 mA overload and short-circuit protection IP67 IEC 60529 IP65 IEC 60529	Output circuit type	DC
voltage Switching capacity in mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529	Electrical connection	Male connector M12, 4 pins
mA IP degree of protection IP67 IEC 60529 IP65 IEC 60529		1248 V DC reverse polarity protection
IP65 IEC 60529		1.5100 mA overload and short-circuit protection
	IP degree of protection	IP65 IEC 60529

Complementary

Complementary	
Detection face	5 positions turret head
Front material	PBT
Operating zone	0.001.26 in (032 mm)
Differential travel	315% of Sr
Repeat accuracy	<= 3% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	1058 V DC
Maximum residual current	0.6 mA open state
Switching frequency	<= 200 Hz
Maximum voltage drop	<4.2 V closed)
Maximum delay first up	7.5 ms
Maximum delay response	1.4 ms
Maximum delay recovery	2.5 ms
Marking	CE
Height	1.57 in (40 mm)
Length	1.57 in (40 mm)
Width	2.76 in (70 mm)
Net weight	0.33 lb(US) (0.149 kg)

Environment

Product certifications	CCC UL CSA	
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 msEN 60068-2-27	

Ordering and shipping details

O FI	
Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389119058056
Nbr. of units in pkg.	1
Package weight(Lbs)	0.37 lb(US) (0.17 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	3.46 in (8.8 cm)	
Package 1 width	1.69 in (4.3 cm)	
Package 1 Length	1.85 in (4.7 cm)	

Offer Sustainability

Sustainable offer status	Green Premium product	
California proposition 65	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 Regulation	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	₫Yes	
Environmental Disclosure		

Contractual warranty

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Warranty	18 months