Product data sheet
Characteristics

XS7F1A1DBL01M8
inductive sensor XS7 15x32x8 - PBT - Sn5mm - 12..24VDC - M8 0.15m

Green Premium™

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS7
Sensor design	Flat form 15 x 32 x 8
Size	8 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	3 pins M8 remote male connector
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	1.5...100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0.00…0.16 in (0…4 mm)
Differential travel	1...15% of Sr

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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	<= 5000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	5 ms
Maximum delay response	5 ms
Maximum delay recovery	5 ms
Marking	CE
Depth	0.31 in (8 mm)
Height	1.26 in (32 mm)
Width	0.59 in (15 mm)
Net weight	0.10 lb(US) (0.045 kg)

Environment

Product certifications	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

Packing Units

Package 1 Weight	0.07 lb(US) (0.032 kg)
Package 1 Height	0.420 dm
Package 1 width	0.950 dm
Package 1 Length	0.660 dm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
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

Contractual warranty

Warranty	18 months