



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific application	-
Sensor name	XS6
Sensor design	Cylindrical M8
Size	61 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sd] sensing range	> 0...2.5 mm
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Male connector M12 4 pins
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

ISO thread	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...58 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	40 mm
Length	61 mm
CAD overall height	18 mm
CAD overall depth	61 mm
Product weight	0.015 kg

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27