Product Datasheet
Characteristic

XS612B1MAU20

inductive sensor XS6 M12 - L62mm - brass - Sn4mm - 24..240VAC/DC - 1/2"

Green Premium™ Product

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Main

range of product	OsiSense XS
series name	general purpose
sensor type	inductive proximity sensor
device application	-
sensor name	XS6
sensor design	cylindrical M12
size	62 mm
body type	fixed
detector flush mounting acceptance	flush mountable
material	metal
type of output signal	discrete
wiring technique	2-wire
[Sn] nominal sensing distance	0.16 in (4 mm)
discrete output function	1 NO
output circuit type	AC/DC
electrical connection	male connector 1/2"20 UNF 3 pins
[Us] rated supply voltage	24...240 V AC/DC (50/60 Hz)
switching capacity in mA	5...200 mA AC/DC
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

thread type	M12 x 1
detection face	frontal
front material	PPS
enclosure material	nickel plated brass
operating zone	0...0.13 in (0...3.2 mm)
differential travel	1...15% of Sr
status LED	1 LED (yellow) output state
supply voltage limits	20...264 V AC/DC
residual current	<= 0.8 mA, open state

switching frequency	<= 1000 Hz (DC) <= 25 Hz AC
voltage drop	<= 5.5 V, closed state
delay first up	<= 20 ms
delay response	<= 0.5 ms
delay recovery	<= 0.2 ms
marking	CE
threaded length	1.65 in (42 mm)
length	2.44 in (62 mm)
product weight	0.06 lb(US) (0.025 kg)

Environment

product certifications	CSA UL
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, 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0807 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available