Product data sheet
Characteristics

XS618B4MAU20

inductive sensor XS6 M18 - L72mm - brass - Sn12mm - 24..240VAC/DC - 1/2"

Green Premium

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS6
Sensor design	Cylindrical M18
Size	72 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	12 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 DC 5...300 mA AC
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...9.6 mm

Life Is On | Schneider Electric

Differential travel	1...15% of Sr
Status LED	1 LED (yellow) for 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	<= 30 ms
Delay response	<= 0.5 ms
Delay recovery	<= 0.5 ms
Marking	CE
Threaded length	44 mm
Length	72 mm

Environment

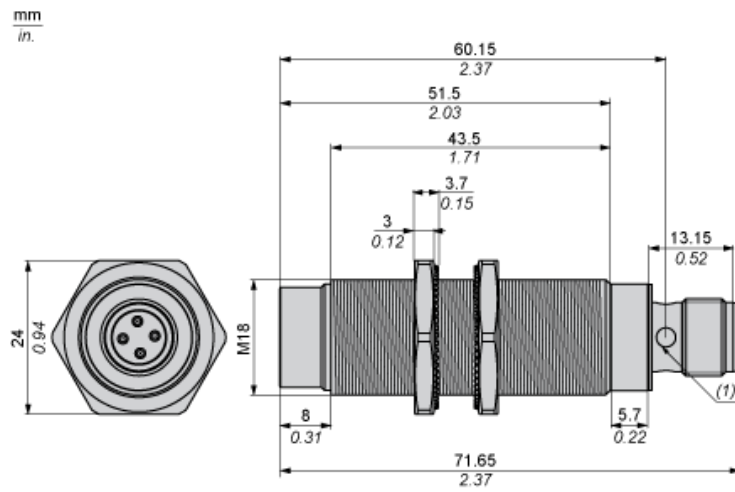|	
Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0821 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

Life Is On | Schneider Electric

XS618B4MAU20

Dimensions

mm
in.

60.15
2.37

51.5
2.03

43.5
1.71

3.7
0.15

3
0.12

13.15
0.52

24
0.94

M18

8
0.31

5.7
0.22

71.65
2.37

(1)

(1)   LED

Minimum Mounting Distances

Side by side

e (1) ≥   72 mm/2.83 in.

Face to face

e (2) ≥   144 mm/5.67 in.

Facing a metal object
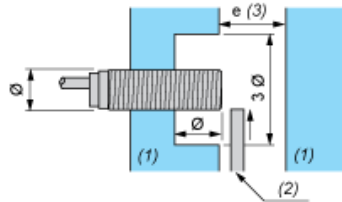
e (3) ≥   36 mm/1.42 in
(1)   Metal
(2)   Object to be detected

XS618B4MAU20

Wiring Schemes

1/2"-20UNF

1/2"-20UNF

$\sim : 2$
$\pm : 1$
$\sim : 3$
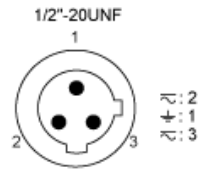
1 :   Grounding
2 :   AC
3 :   AC

NO output