XS518B1MBU20

Inductive proximity sensors XS, inductive sensor XS5 M18, L73mm, brass, Sn5mm, 24...240VAC/DC, 1/2"

Green Premium™ Product

Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor name	XS5
Sensor design	Cylindrical M18
Size	73 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	0.20 in (5 mm)
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	3 pins 1/2"20 UNF male connector
[Us] rated supply voltage	24...240 V AC/DC reverse polarity protection
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	0.00…0.16 in (0…4 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	20…264 V AC/DC
Maximum residual current	0.8 mA open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V closed)
Maximum delay first up	25 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Marking	CE
Threaded length	2.05 in (52 mm)
Height	0.71 in (18 mm)
Length	2.87 in (73 mm)

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 +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389119046930
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	2.52 in (6.4 cm)
Package 1 Length	3.70 in (9.4 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	2.12 oz (60 g)
Package 2 Height	0.71 in (1.8 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)

Offer Sustainability

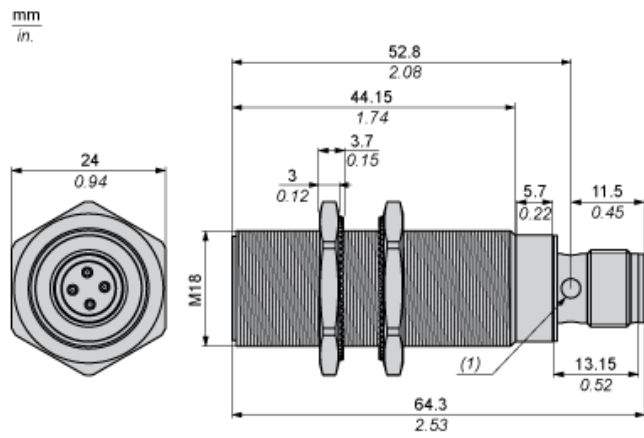|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California 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) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

Dimensions

(1)   LED

Minimum Mounting Distances

Side by side
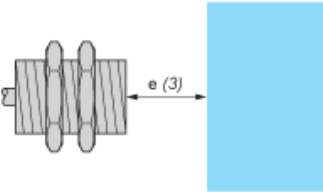
e (1) 16 mm/0.63 in.
≥

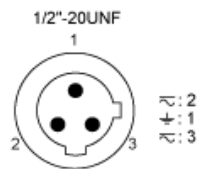Face to face

e (2) 100 mm/3.94 in.
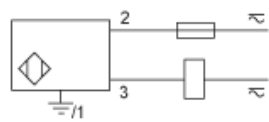≥

Facing a metal object

e (3) 25 mm/0.98 in
≥

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Wiring Schemes

1/2"-20UNF

1 :   Grounding
2 :   AC
3 :   AC

NC output

Performance Curves

Standard Steel Target : 18x18x1 mm

(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)
(y)   Sensing distance in mm