

Inductive proximity sensors XS, inductive sensor XS8 40x40x15, PBT, Sn25mm, 12...24 VDC, cable 10 m



#### Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS8
Sensor design	Flat form 40 x 40 x 15
Size	15 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	15 Mm flush mountable 25 mm non flush mountable
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	10 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

#### Complementary

Detection face	Frontal
Front material	PBT
Fine adjustment zone	8...15 Mm flush mountable 8...25 mm non flush mountable
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PVC
Supply voltage limits	10...36 V DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.8 ms
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm
Net weight	0.415 kg

## Environment

Product certifications	CSA[RETURN]JUL
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 for 11 ms conforming to IEC 60068-2-27

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.800 cm
Package 1 Width	10.000 cm
Package 1 Length	13.000 cm
Package 1 Weight	347.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	5.165 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

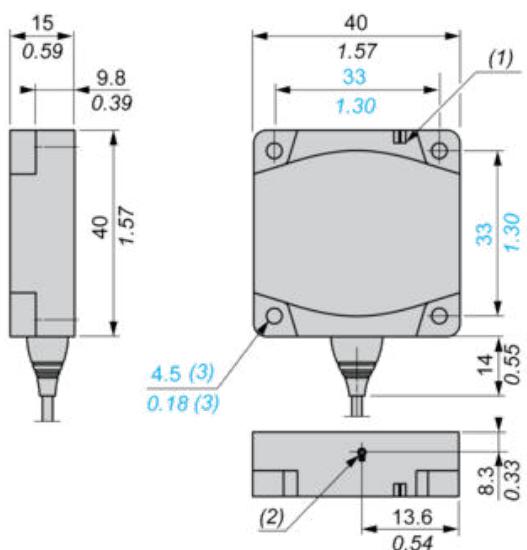
Warranty	18 months
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Dimensions

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mm  
in.



(1) LED

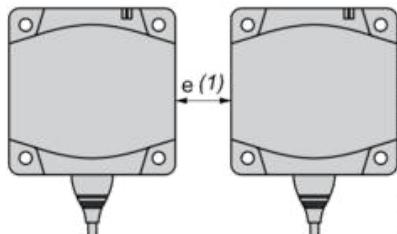
(2) Teach mode button

(3) For CHC type screws

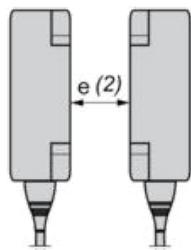
## Setting-up

### Minimum Mounting Distances (mm)

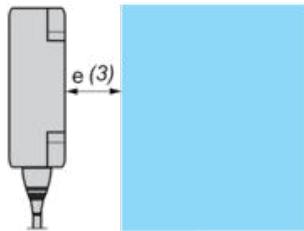
Side by Side



Face to Face



Facing a Metal Object



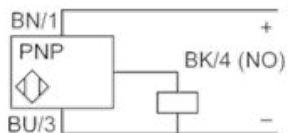
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

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### Wiring Schemes

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#### PNP



BU : Blue

BN : Brown

BK : Black