Product data sheet
Characteristics

XS4P18KP340D

Inductive proximity sensors XS, inductive sensor XS4 M18, L70mm, PPS, Sn8mm, 12...24 VDC, M12

Green Premium™ Product

Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M18
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring Technique	4-wire
[Sn] nominal sensing distance	0.31 in (8 mm)
Discrete output function	1 NO or 1 NC programmable
Output circuit type	DC
Discrete output type	PNP and NPN
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	PPS
Operating zone	0.00…0.25 in (0…6.4 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2.6 V closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.35 ms
Marking	CE
Threaded length	2.01 in (51 mm)
Height	0.71 in (18 mm)
Length	2.76 in (70 mm)
Net Weight	0.09 lb(US) (0.04 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 +/- 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	3389110514865
Nbr. of units in pkg.	1
Package weight(Lbs)	1.27 oz (36.0 g)
Returnability	No
Country of origin	FR

Packing Units

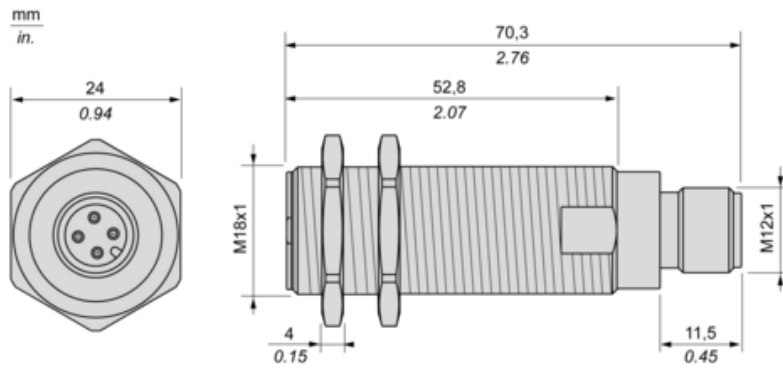|	
Unit Type of Package 1	PCE
Package 1 Height	1.02 in (2.6 cm)
Package 1 width	3.27 in (8.3 cm)
Package 1 Length	4.96 in (12.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Weight	4.75 lb(US) (2.154 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 3 Height	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

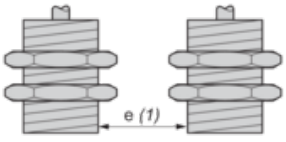## Contractual warranty

Warranty	18 months

XS4P18KP340D

Dimensions

$\dfrac{mm}{in.}$

24
0.94

70,3
2.76

52,8
2.07

M18x1

M12x1

4
0.15

11,5
0.45

XS4P18KP340D

Minimum Mounting Distances

Side by side

e (1) ≥ 32 mm/1.26 in.

Face to face
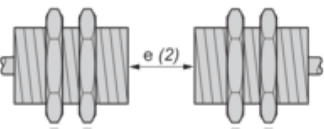
e (2) ≥ 96 mm/3.78 in.

Facing a metal object
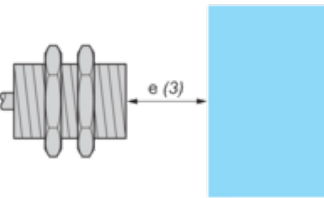
e (3) ≥ 24 mm/0.94 in.

Mounted in a metal support

d ≥ 56 mm/2.20 in.

h ≥ 16 mm/0.63 in.

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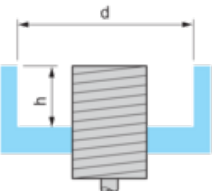
Wiring Schemes

M12 Connector
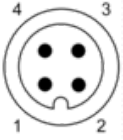
4-Wire DC, PNP/NPN, NO or NC output

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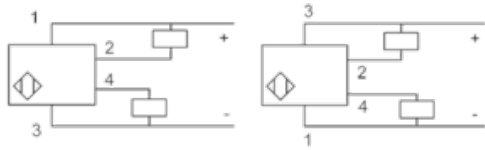
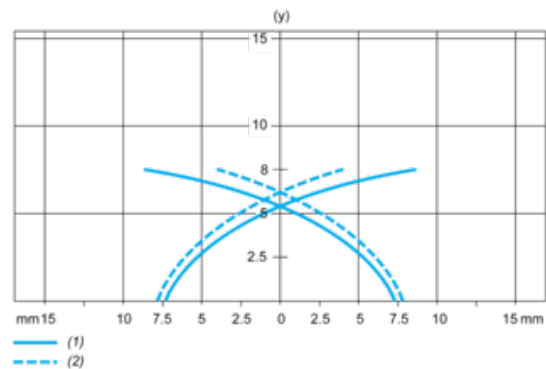
Performance Curves

Standard Steel Target : 24x24x1 mm

(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm