Product data sheet
Characteristics

XT7C40PC440H7

Capacitive proximity sensors XT, 40 x 40 x 117, plastic, Sn 15 mm, 12..48 V DC

Main

Range of product	Telemecanique Capacitive proximity sensors XT
Sensor type	Capacitive proximity sensor
Product specific application	Detection of insulated or conductive materials
Sensor name	XT7
Sensor design	Form 40 x 40 x 117
Size	117 mm
Body type	Plug-in body
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	Plastic
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	1 NC + 1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Screw clamp terminal, 4 x 1.5 mm²
[Us] rated supply voltage	12...48 V DC
Maximum delay response	5 ms
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Detection face	5 positions turret head
Differential travel	< 0.2 x Sr
Repeat accuracy	< 0.1 x Sr
Cable entry	1 entry tapped for 1/2" NPT cable gland
Status LED	Supply state indication: 1 LED (green) Output state indication: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Protection type	Short-circuit protection
Switching frequency	<= 100 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA
Maximum delay first up	30 ms
Maximum delay recovery	5 ms
Maximum switching current	200 mA
Marking	CE
Setting-up	Sensitivity by potentiometer
Depth	40 mm
Height	117 mm
Width	40 mm
Net weight	0.22 kg

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Environment

Product certifications	UL[RETURN]CSA
Ambient air temperature for operation	-25…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months

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Dimensions
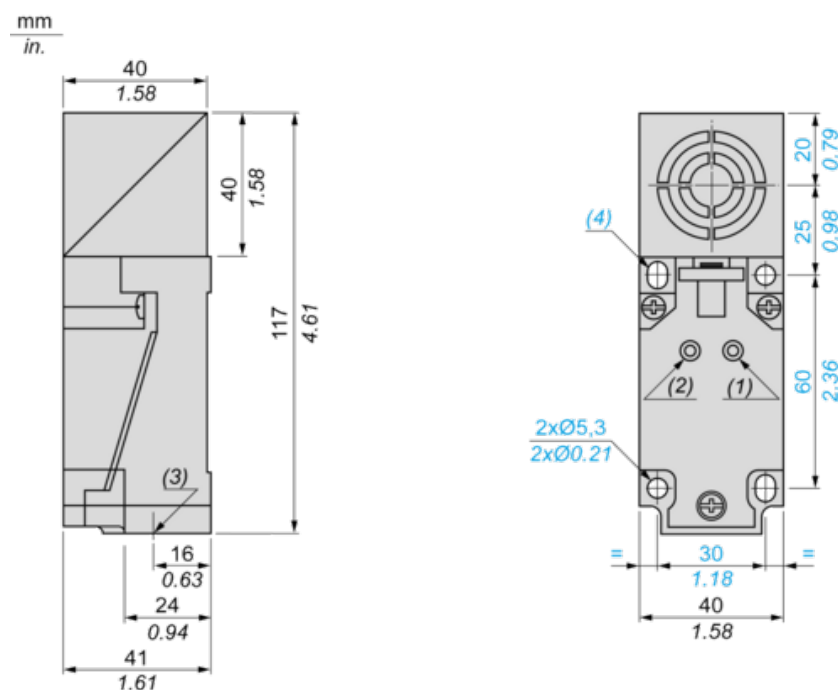
(1) Output LED
(2) Supply LED
(3) 1 tapped entry for 1/2" NPT
(4) 2 elongated holes Ø 5.3 x 7

Setting-up

Minimum Mounting Distances (mm)
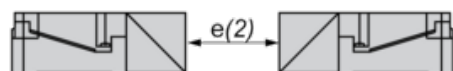
Side by side
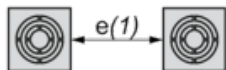
e(1) ≥ 40

Face to face

e(2) ≥ 120

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Wiring Diagram

3-wire DC NO + NC Output