

XT7C40PC440

DATASHEET

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Product datasheet

Characteristics

XT7C40PC440

capacitive sensor - XT7 - 40 x 40 x 117 - plastic -Sn 15 mm - 12..48 V DC



Main

Range of product	OsiSense XT
Sensor type	Capacitive proximity sensor
Product specific application	Detection of insulated 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 mm ²
[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 Pg 13.5 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

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-25...70 °C

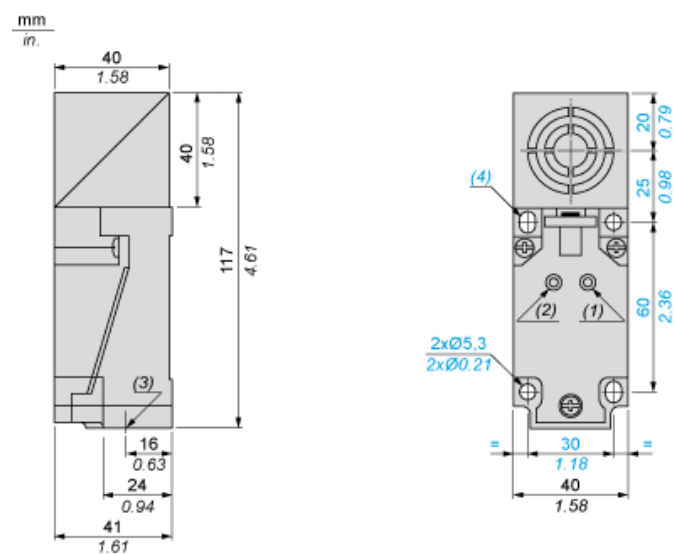
Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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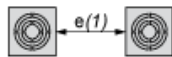
Dimensions



Setting-up

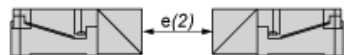
Minimum Mounting Distances (mm)

Side by side



$e(1) \geq 40$

Face to face



$e(2) \geq 120$

Wiring Diagram

3-wire DC NO + NC Output

