

Price\* : 229.89 GBP



### Main

Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	40 mm
Shaft diameter	6 mm
Shaft type	Through shaft
Resolution	100 points
Output stage	Type R
Type of output stage	Driver 5V, RS422
Electrical connection	Cable radial shielded
Cable length	2 m
Cable composition	8 x 0.14 mm <sup>2</sup>
[Us] rated supply voltage	5 V DC
Supply voltage limits	4.5...5.5 V DC
Enclosure material	Zamak Aluminium

### Complementary

Shaft tolerance	H7
Cable outer diameter	6 mm
Residual ripple	200 mV
Maximum revolution speed	9000 rpm
Shaft moment of inertia	5 g.cm <sup>2</sup>
Torque value	0.0025 N.m
Maximum load	1 daN axial 2 daN radial
Output frequency	100 kHz
Number of channels	3
Current consumption	0...100 mA no-load
Maximum output current	40 mA

Output level	Low level: 0.5 V maximum 20 mA High level: 2.5 V minimum 20 mA
Surge withstand	1 kV, level 2 conforming to IEC 61000-4-5
Base material	Aluminium Zamak
Shaft material	Stainless steel Aluminium
Type of ball bearings	688AZZ1
Product weight	0.405 kg

## Environment

Marking	CE
Ambient air temperature for operation	-20...80 °C
Ambient air temperature for storage	-30...85 °C
IP degree of protection	IP52 conforming to IEC 60529
Vibration resistance	10 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	4 kV (contact discharge) level 3 conforming to IEC 61000-4-2 8 kV (air discharge) level 3 conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m level 3 conforming to IEC 61000-4-3
Resistance to fast transients	1 kV signal ports level 3 conforming to IEC 61000-4-4 2 kV power ports level 3 conforming to IEC 61000-4-4

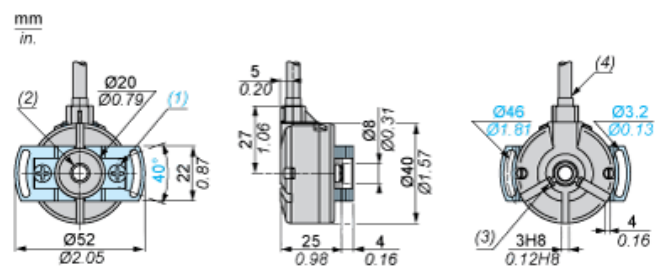
## Offer Sustainability

REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
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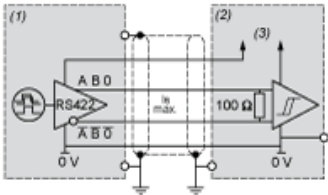
Dimensions



- (1) 2 M4 holes at 120° for cross-headed screws on 30 PCD, depth: 6 mm
- (2) Through shaft,  $\varnothing 6$  (H7)
- (3) 2 M2 x 3 flat cross-headed locking screws
- (4)  $\varnothing 6$  cable, length 2 m, minimum bend radius: 30 mm

Wiring Diagram

Type R Output Stage



- (1) Encoder
- (2) Processing
- (3) Supply 5 V

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Wiring Diagram

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Cable Connections

Wire colour	BN	RD	VT	BU	YE	OG	GN	BK
Signal Supply	A <sup>-</sup>	+V	0	0 <sup>-</sup>	B	B <sup>-</sup>	A	0V

BN = Brown

RD = Red

VT = Violet

BU = Blue

YE = Yellow

OG = Orange

GN = Green

BK = Black