



Main

Range of Product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	3.54 in (90 mm)
Shaft diameter	0.47 in (12 mm)
Shaft type	Solid shaft
Resolution	360 points
Output stage	Type R
Type of output stage	Driver 5V, RS422
Electrical connection	1 male connector M23 radial 12 pins
[Us] rated supply voltage	5 V DC
Supply voltage limits	4.5...5.5 V DC
Enclosure Material	Zamak

Complementary

Shaft tolerance	G6
Residual ripple	200 mV
Maximum revolution speed	6000 rpm
Shaft moment of inertia	0.05 lb.in ² (150 g.cm ²)
Torque value	0.09 lbf.in (0.01 N.m)
Maximum load	10 daN axial 20 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: V supply - 2.5 V minimum 20 mA
Surge withstand	1 kV, level 2 IEC 61000-4-5
Base material	Aluminium
Shaft material	Stainless steel
Type of ball bearings	6001ZZ
Net Weight	3.00 lb(US) (1.36 kg)

Environment

Marking	CE
Ambient Air Temperature for Operation	-4...176 °F (-20...80 °C)
Ambient Air Temperature for Storage	-22...185 °F (-30...85 °C)
IP degree of protection	IP66 conforming to IEC 60529
Vibration resistance	10 gn 10...1000 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
Resistance to electrostatic discharge	4 kV contact discharge) level 3 IEC 61000-4-2 8 kV air discharge) level 3 IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	1 kV signal ports level 3 IEC 61000-4-4 2 kV power ports level 3 IEC 61000-4-4

Ordering and shipping details

Category	21581-ENCODERS, XCC
Discount Schedule	DS2
GTIN	03389119015110
Package weight(Lbs)	2.43 lb(US) (1.100 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	1.290 dm
Package 1 width	1.920 dm
Package 1 Length	2.970 dm

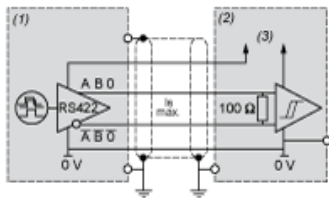
Contractual warranty

Warranty	18 months
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(1) 6 holes M6 x 1 at 120° on 60 PCD, maximum depth: 12 mm

Wiring Diagram

Type R Output Stage

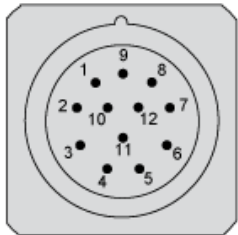


- (1) Encoder
- (2) Processing
- (3) Supply 5 V

Wiring Diagram

M23, 12-pin Connector Connections

Male Connector on Encoder



Pin number	1	2	3	4	5	6	7	8	9	10	11	12
Signal Supply	A ⁻	+V	0	0 ⁻	B	B ⁻	R	A	R	0 V	0 V	+V

R = reserved, do not connect

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