

XCC1406PR10R

incremental encoder Ø 40 - solid shaft 6 mm -
1000 points - 5V RS422

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Commercial Status	Commercialised
Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	1.57 in (40 mm)
Shaft diameter	0.24 in (6 mm)
Shaft type	Solid shaft
Resolution	1000 points
Output stage	Type R
Type of output stage	Driver 5V, RS422
Electrical connection	Cable radial shielded
Cable length	6.56 ft (2 m)
Cable composition	8 x 0.14 mm ²
[Us] rated supply voltage	5 V DC
Supply voltage limits	4.5...5.5 V DC
Enclosure material	Aluminium Zamak

Complementary

Shaft tolerance	G7
Cable outer diameter	0.24 in (6 mm)
Residual ripple	0...200 mV
Maximum revolution speed	9000 rpm
Shaft moment of inertia	0 lb.in ² (10 g.cm ²)
Torque value	0.02 lbf.in (0.002 N.m)
Maximum load	2 daN radial 1 daN axial
Output frequency	100 kHz
Number of channels	3
Current consumption	0...100 mA (no-load)
Maximum output current	40 mA
Output level	High level: 2.5 V minimum (20 mA) Low level: 0.5 V maximum (20 mA)
Surge withstand	1 kV, level 2 conforming to IEC 61000-4-5
Base material	Aluminium Zamak
Shaft material	Aluminium Stainless steel
Type of ball bearings	688AZZ1
Product weight	0.78 lb(US) (0.355 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	IP54 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	8 kV (air discharge) level 3 conforming to IEC 61000-4-2 4 kV (contact discharge) level 3 conforming to IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/yd (10 V/m) level 3 conforming to IEC 61000-4-3
Resistance to fast transients	2 kV (power ports) level 3 conforming to IEC 61000-4-4 1 kV (signal ports) level 3 conforming to IEC 61000-4-4

Ordering and shipping details

Category	21581 - ENCODERS, XCC
Discount Schedule	DS2
GTIN	003389110939910
Nbr. of units in pkg.	1
Package weight(Lbs)	0.46
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0701 - Schneider Electric declaration of conformity

Contractual warranty

Period	18 months
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