

XCC1406PR11K

incremental encoder Ø 40 - solid shaft 6 mm - 1024 points - push-pull



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	Solid shaft
Resolution	1024 points
Output stage	Type K
Type of output stage	Driver push-pull
Electrical connection	Cable radial shielded
Cable length	2 m
Cable composition	8 x 0.14 mm ²
[Us] rated supply voltage	11...30 V DC
Enclosure material	Aluminium Zamak

Complementary

Shaft tolerance	G7
Cable outer diameter	6 mm
Residual ripple	0...500 mV
Maximum revolution speed	9000 rpm
Shaft moment of inertia	10 g.cm ²
Torque value	0.002 N.m
Maximum load	1 daN axial 2 daN radial
Output frequency	100 kHz
Number of channels	3
Current consumption	0...75 mA (no-load)
Protection type	Reverse polarity protection Short-circuit protection
Maximum output current	40 mA
Output level	Low level: 1.5 V maximum (20 mA) High level: V supply - 3 V minimum (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
CAD overall width	40 mm
CAD overall height	50 mm
CAD overall depth	51 mm
Product weight	0.355 kg

Environment

Marking	CE
Ambient air temperature for operation	-20...80 °C

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Ambient air temperature for storage	-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	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

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