

XCC1514TSM03Y

incremental encoder Ø 58 - through shaft 14 mm - 360..5760 points - push-pull

Product availability: Stock - 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	2.28 in (58 mm)
Complementary function	Parameterable
Shaft diameter	0.55 in (14 mm)
Shaft type	Through shaft
Resolution	360...5760 points
Output stage	Type Y
Type of output stage	Driver push-pull
Electrical connection	1 male connector M23 radial 12 pins
[Us] rated supply voltage	5...30 V DC
Enclosure material	Zamak

Complementary

Shaft tolerance	H7
Residual ripple	0...500 mV
Maximum revolution speed	6000 rpm
Shaft moment of inertia	0.01 lb.in ² (22 g.cm ²)
Torque value	0.05 lbf.in (0.006 N.m)
Maximum load	5 daN radial 2 daN axial
Output frequency	300 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	High level: V supply - 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
Shaft material	Stainless steel
Type of ball bearings	6803ZZ
Product weight	0.96 lb(US) (0.435 kg)

Environment

Marking	CE
Ambient air temperature for operation	-22...158 °F (-30...70 °C)
Ambient air temperature for storage	-22...185 °F (-30...85 °C)
IP degree of protection	IP65 conforming to IEC 60529
Vibration resistance	10 gn (f = 55...2000 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	00785901978640
Nbr. of units in pkg.	1
Package weight(Lbs)	0.94
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
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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Mouser Electronics

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