

# Product data sheet

## Characteristics

### XCC1510PSM50Y

incremental encoder Ø 58 - solid shaft 10 mm - 5000..80K points - push-pull

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	2.28 in (58 mm)
Complementary function	Parameterable
Shaft diameter	0.39 in (10 mm)
Shaft type	Solid shaft
Resolution	5000...80000 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

Residual ripple	0...500 mV
Maximum revolution speed	9000 rpm
Shaft moment of inertia	0 lb.in <sup>2</sup> (10 g.cm <sup>2</sup> )
Torque value	0.04 lbf.in (0.004 N.m)
Maximum load	5 daN axial 10 daN radial
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	6000ZZ1
Product weight	1.03 lb(US) (0.465 kg)

#### Environment

Marking	CE
Ambient air temperature for operation	-22...212 °F (-30...100 °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	003389119014960
Nbr. of units in pkg.	1
Package weight(Lbs)	1.02
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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