

XCC2510PS81KB

absolute encoder Ø 58 single turn - solid shaft
10 mm - push-pull 13-bit binary

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



Main

| | |
|------------------------------|-------------------------------------|
| Commercial Status | Commercialised |
| Range of product | OsiSense XCC |
| Encoder type | Single turn absolute encoder |
| Encoder name | XCC |
| Product specific application | - |
| Diameter | 2.28 in (58 mm) |
| Shaft diameter | 0.39 in (10 mm) |
| Shaft type | Solid shaft |
| Resolution | 8192 points |
| Electrical connection | 1 male connector M23 radial 16 pins |
| Output stage | Type KB |
| Type of output stage | Driver push-pull binary |
| [Us] rated supply voltage | 11...30 V DC |
| Enclosure material | Zamak |

Complementary

| | |
|--------------------------|--|
| Residual ripple | 0...500 mV |
| Maximum revolution speed | 9000 rpm |
| Shaft moment of inertia | 0 lb.in ² (10 g.cm ²) |
| Torque value | 0.04 lbf.in (0.004 N.m) |
| Maximum load | 5 daN axial 10 daN radial |
| Output frequency | 100 kHz |
| Current consumption | 0...100 mA no-load |
| Protection type | Reverse polarity protection Short-circuit protection |
| Maximum output current | 20 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 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

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|---------------------------------------|--|
| Marking | CE |
| Ambient air temperature for operation | -4...194 °F (-20...90 °C) |
| Ambient air temperature for storage | -22...203 °F (-30...95 °C) |
| IP degree of protection | IP67 IEC 60529 IP65 IEC 60529 |
| Vibration resistance | 10 gn (10...2000 Hz) IEC 60068-2-6 |
| Shock resistance | 30 gn (11 ms) IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV air discharge level 3 IEC 61000-4-2 4 kV contact discharge level 3 IEC 61000-4-2 |
| Resistance to electromagnetic fields | 9.14 V/yd (10 V/m) level 3 IEC 61000-4-3 |
| Resistance to fast transients | 2 kV power ports level 3 IEC 61000-4-4 1 kV signal ports level 3 IEC 61000-4-4 |

Ordering and shipping details

| | |
|-----------------------|---|
| Category | 21581 - ENCODERS, XCC |
| Discount Schedule | DS2 |
| GTIN | 003389119015479 |
| 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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