

# XCC2930TS81SGN

absolute encoder Ø 90 single turn - through  
shaft 30 mm - push-pull 13-bit Gray

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	3.54 in (90 mm)
Shaft diameter	1.18 in (30 mm)
Shaft type	Through shaft
Resolution	8192 points
Electrical connection	1 male connector M23 radial 12 pins
Output stage	Type SG
Type of output stage	SSI 13-bit gray
[Us] rated supply voltage	11...30 V DC
Enclosure material	Zamak

## Complementary

Shaft tolerance	H7
Residual ripple	0...500 mV
Maximum revolution speed	3600 rpm
Shaft moment of inertia	0.17 lb.in <sup>2</sup> (500 g.cm <sup>2</sup> )
Torque value	0.22 lbf.in (0.025 N.m)
Maximum load	8 daN radial 5 daN axial
Output frequency	100...1000 kHz
Current consumption	0...100 mA no-load
Protection type	Reverse polarity protection Short-circuit protection
Maximum output current	20 mA
Physical interface	RS422
Output level	High level: 2 V minimum 20 mA
Surge withstand	1 kV level 2 IEC 61000-4-5
Base material	Aluminium
Shaft material	Stainless steel
Type of ball bearings	6807
Product weight	2.16 lb(US) (0.98 kg)

## Environment

Marking	CE
Ambient air temperature for operation	-4...185 °F (-20...85 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
IP degree of protection	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	003389119015622
Nbr. of units in pkg.	1
Package weight(Lbs)	2.16
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 - <a href="#">Schneider Electric declaration of conformity</a>

### Contractual warranty

Period	18 months
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