

# XCC1930TS25KN

incremental encoder Ø 90 - through shaft 30 mm -  
2500 points - push-pull



## Main

Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	90 mm
Shaft diameter	30 mm
Shaft type	Through shaft
Resolution	2500 points
Output stage	Type K
Type of output stage	Driver push-pull
Electrical connection	1 male connector M23 radial 12 pins
[Us] rated supply voltage	11...30 V DC
Enclosure material	Zamak

## Complementary

Shaft tolerance	H7
Residual ripple	500 mV
Maximum revolution speed	3600 rpm
Shaft moment of inertia	500 g.cm <sup>2</sup>
Torque value	0.025 N.m
Maximum load	5 daN axial 8 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
Shaft material	Stainless steel
Type of ball bearings	6807
Product weight	0.96 kg

## Environment

marking	CE
ambient air temperature for operation	-20...80 °C
ambient air temperature for storage	-30...85 °C
IP degree of protection	IP65 conforming to IEC 60529
vibration resistance	10 gn (f = 10...1000 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

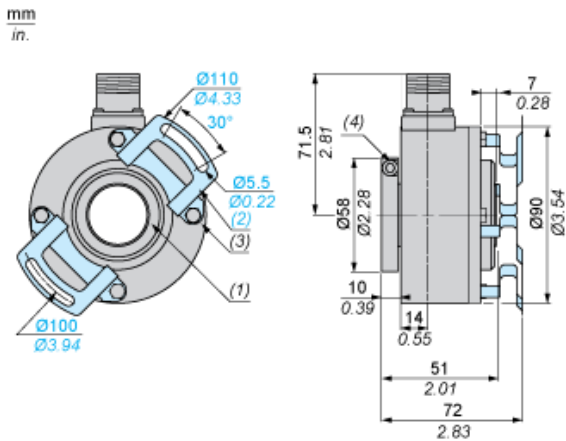
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0701 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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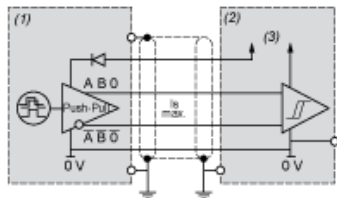
Dimensions



- (1) Through shaft, Ø 30 (H7)
- (2) Anti-rotation device, 1 x XCCRF9N, mounted
- (3) 4 M5 x 6 on 78 PCD
- (4) 1 CHC M5 x 12 stainless steel A2 locking screw

Wiring Diagram

Type K Output Stage

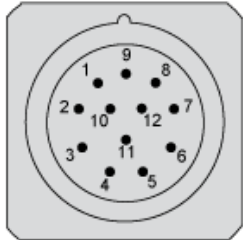


- (1) Encoder
- (2) Processing
- (3) Supply 11 V/30 V

Wiring Diagram

M23, 12-pin Connector Connections

Male Connector on Encoder



Pin number	1	2	3	4	5	6	7	8	9	10	11	12

Signal Supply	A <sup>-</sup>	+V	0	0 <sup>-</sup>	B	B <sup>-</sup>	R	A	R	0 V	0 V	+V
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R = reserved, do not connect