XCC2506PS81KB

Opto-electronic rotary encoders XCC, absolute encoder \varnothing 58 single turn, solid shaft 6 mm, push pull 13 bit binary



Main

Range of product	OsiSense XCC
Encoder type	Single turn absolute encoder
Device short name	XCC
Product specific application	-
Diameter	58 mm
Shaft diameter	6 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	1130 V DC
Enclosure material	Zamak

Complementary

Shaft tolerance	G7						
Residual ripple	500 mV						
Maximum revolution speed	9000 rpm						
Shaft moment of inertia	10 g.cm²						
Torque value	0.004 N.m						
Maximum load	10 daN radial 5 daN axial						
Output frequency	100 kHz						
Current consumption	0100 mA no-load						
Protection type	Short-circuit protection Reverse polarity protection						
Maximum output current	20 mA						
Output level	Low level: 0.5 V maximum 20 mA High level: V supply - 2.5 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	6000ZZ1						
Net weight	0.495 kg						

Environment

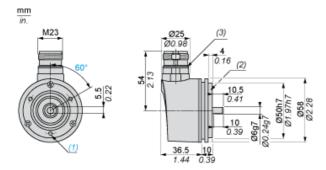
Marking	CE						
Ambient air temperature for operation	-2090 °C						
Ambient air temperature for storage	-3095 °C						
IP degree of protection	IP65 conforming to IEC 60529						
Vibration resistance	10 gn (f= 102000 Hz) conforming to IEC 60068-2-6						
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27						
Resistance to electrostatic discharge	4 KV (contact discharge) level 3 conforming to IEC 61000-4-2 8 kV (air 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							
Packing Units								
Unit Type of Package 1	PCE							
Number of Units in Package 1	1							
Package 1 Height	8.5 cm							
Package 1 Width	14 cm							
Package 1 Length	27 cm							
Package 1 Weight	495 g							
Offer Sustainability								
Toxic heavy metal free	Yes							
Toxic heavy metal free California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California							
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Product data sheet **Dimensions Drawings**

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Dimensions



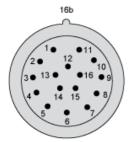
- 3 M4 holes at 120° on 42 PCD, depth: 10 mm Collar XCCRB1 mounted
- Nitrile seal

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Wiring Diagram

M23, 16-pin Connector, Anticlockwise Connections

Male Connector on Encoder



Pin number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Signal Supply	0 V	+V	d0	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	Dir
																7
																(1)

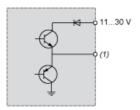
(1) Clockwise direction, 16 to + V

T: Anticlockwise direction, 16 to 0 V

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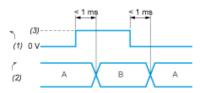
Technical Description

Type KB and KG (N) Output Stage



(1) Output

KB and KG (N) DIRECTION Input



A : Anticlockwise

B : Clockwise

(1) DIRECTION input(2) DIRECTION of counting

(3) V supply