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



Main

Range of product	OsiSense XCC							
Encoder type	Single turn absolute encoder							
Device short 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	1130 V DC							
Enclosure material	Zamak							

Complementary

Residual ripple	500 mV							
Maximum revolution speed	9000 rpm							
Shaft moment of inertia	0 lb.in² (10 g.cm²)							
Torque value	0.04 lbf.in (0.004 N.m)							
Maximum load	10 daN radial 5 daN axial							
Output frequency	100 kHz							
Current consumption	0100 mA no-load							
Protection type	Reverse polarity protection Short-circuit 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 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								
Warking	OL .								
Ambient air temperature for operation	-4194 °F (-2090 °C)								
Ambient air temperature for storage	-22203 °F (-3095 °C)								
IP degree of protection	IP65 IEC 60529								
	IP67 IEC 60529								
Vibration resistance	10 gn (102000 Hz) IEC 60068-2-6								
Shock resistance	30 gn (11 ms) IEC 60068-2-27								
Resistance to electrostatic discharge	4 kV contact discharge level 3 IEC 61000-4-2								
-	8 kV air 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	1 kV signal ports level 3 IEC 61000-4-4								
	2 kV power 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						
Returnability	N						
Country of origin	FR						

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0701 - Schneider Electric declaration of conformity						
REACh	Reference not containing SVHC above the threshold						
California proposition 65	WARNING: This product can expose you to chemicals including:						
Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and						
Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.						
More information	For more information go to www.p65warnings.ca.gov						

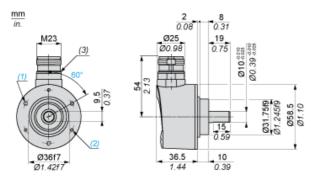
Contractual warranty

•		
Warranty period	18 months	

Product data sheet **Dimensions Drawings**

XCC2510PS81KB

Dimensions



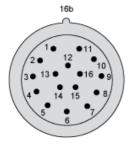
- 3 M4 holes at 120° on 48 PCD, depth: 8 mm 3 M3 holes at 120° on 48 PCD, depth: 8 mm
- Nitrile seal

XCC2510PS81KB

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
																(
																(1)

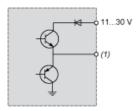
(1) Clockwise direction, 16 to + V

T: Anticlockwise direction, 16 to 0 V

XCC2510PS81KB

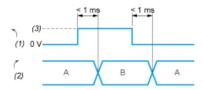
Technical Description

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

Mouser Electronics

Authorized Distributor

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