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



Main Range

Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	2.28 in (58 mm)
Complementary function	Parameterable
Shaft diameter	0.39 in (10 mm)
Shaft type	Solid shaft
Resolution	102416384 points
Output stage	Type X
Type of output stage	Driver 5V, RS422
Electrical connection	1 male connector M23 radial 12 pins
[Us] rated supply voltage	4.7530 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	300 kHz
Number of channels	3
Current consumption	075 mA (no-load)
Protection type	Reverse polarity protection Short-circuit protection
Maximum output current	40 mA
Output level	Low level: 0.5 V maximum (20 mA) High level: 4.5 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
Product weight	1.03 lb(US) (0.465 kg)

Environment

Marking	CE
Ambient air temperature for operation	-22212 °F (-30100 °C)
Ambient air temperature for storage	-22185 °F (-3085 °C)
IP degree of protection	IP65 conforming to IEC 60529
Vibration resistance	10 gn (f = 552000 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn 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	9.14 V/yd (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	

Ordering and shipping details

0 11 0		
Category	21581 - ENCODERS, XCC	
Discount Schedule	DS2	
GTIN	003389119014939	
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 Schneder 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					

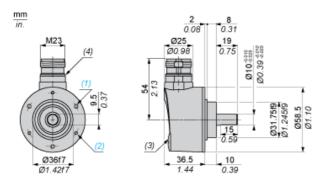
Contractual warranty

Warranty period 18 months

Product data sheet **Dimensions Drawings**

XCC1510PSM11X

Dimensions

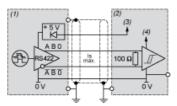


- 3 M4 holes at 120° on 48 PCD, depth: 8 mm 3 M3 holes at 120° on 48 PCD, depth: 8 mm
- (2)
- (3) (4) Blanking plug
- Nitrile seal

XCC1510PSM11X

Wiring Diagram

Type X Output Stage

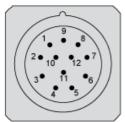


- (1) (2) (3) Encoder
- Processing
- Supply 4.75 V/30 V
- Supply 5 V

Wiring Diagram

M23, 12-pin Connector Connections

Male Connector on Encoder

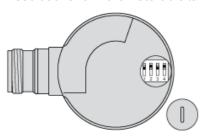


Pin number	1	2	3	4	5	6	7	8	9	10	11	12
Signal Supply	A ⁻	+V	0	0-	В	B ⁻	R	А	R	0 V	0 V	+V

R = reserved, do not connect

Wiring Diagram

Resolutions for Parameterable Ø 58 mm Encoders



Interpolation factor Basic resolution					Position of dip switches					
Counting	Speed	256	360	500	1024	5000	1	2	3	4
x1	x1	256	360	500	1024	5000	Off	On	Off	On
x2	x2	512	720	1000	2048	10,000	On	On	Off	On
x3	х3	768	1080	1500	3072	15,000	On	Off	Off	On
x4	x4	1024	1440	2000	4096	20,000	Off	On	On	On
x5	-	1280	1800	2500	5120	25,000	On	On	On	On
x8	-	2048	2880	4000	8192	40,000	On	Off	On	On

Interpolation factor Basic resolution						Position of dip switches				
x10	-	2560	3600	5000	10,240	50,000	Off	On	On	Off
x12	-	3072	4320	6000	12,288	60,000	On	On	On	Off
x16	-	4096	5760	8000	16,384	80,000	On	Off	On	Off

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schneider Electric: XCC1510PSM11X