

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



Main

Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	2.28 in (58 mm)
Shaft diameter	0.39 in (10 mm)
Shaft type	Solid shaft
Resolution	1024 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	4.75...30 V DC
Enclosure material	Zamak

Complementary

Residual ripple	500 mV
Maximum revolution speed	9000 rpm
Shaft moment of inertia	0 lb.in ² (10 g.cm ²)
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	0...75 mA (no-load)
Protection type	Short-circuit protection Reverse polarity 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	-22...212 °F (-30...100 °C)
Ambient air temperature for storage	-22...185 °F (-30...85 °C)
IP degree of protection	IP65 conforming to IEC 60529
Vibration resistance	10 gn (f = 55...2000 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

Category	21581 - ENCODERS, XCC
Discount Schedule	DS2
GTIN	003389119014670
Nbr. of units in pkg.	1
Package weight(Lbs)	1.02
Returnability	N
Country of origin	FR

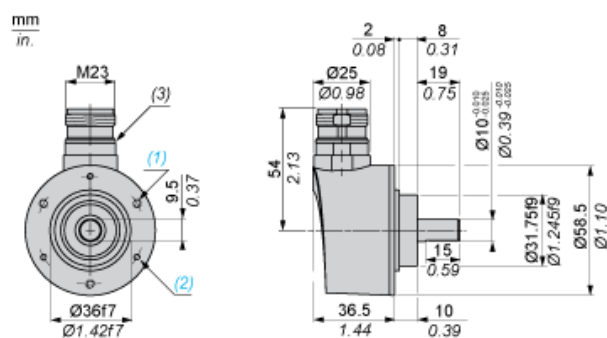
Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0701 - Schneider Electric declaration of conformity 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
-----------------	-----------

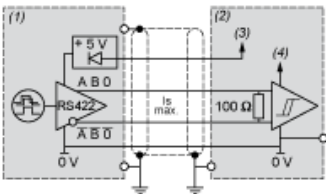
Dimensions



- (1) 3 M4 holes at 120° on 48 PCD, depth: 8 mm
- (2) 3 M3 holes at 120° on 48 PCD, depth: 8 mm
- (3) Nitrile seal

Wiring Diagram

Type X Output Stage

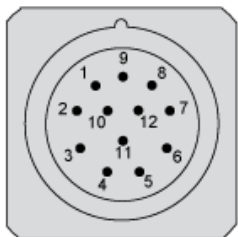


- (1) Encoder
- (2) Processing
- (3) Supply 4.75 V/30 V
- (4) Supply 5 V

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 ⁻	B	B ⁻	R	A	R	0 V	0 V	+V

R = reserved, do not connect

Mouser Electronics

Authorized Distributor

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

[Schneider Electric:](#)

[XCC1510PS11X](#)