



## Main

Range of product	OsiSense XCC
Encoder type	Multiturn absolute encoder fieldbus
Device short name	XCC
Product specific application	-
Diameter	2.28 in (58 mm)
Bus type	CANopen S10 (Transparent Ready) DS 406 V3.1, class C2 DR303-1V1.3, DR303-3 V1.2., ISO 11898, DS301 V4.02/CAN2.A
Shaft diameter	0.39 in (10 mm)
Shaft type	Solid shaft
Resolution	4096 turns/8192 points
Electrical connection	1 male + 1 female connectors + 1 cable gland M12 radial 5 pins Pg 9 radial for network input/outputs and external supply
Type of output stage	CANopen 25-bit
[Us] rated supply voltage	24 V DC
Transmission rate	10 kbit/s 1000 kbit/s 125 kbit/s 20 kbit/s 250 kbit/s 50 kbit/s 500 kbit/s 800 kbit/s
Enclosure material	Aluminium

## Complementary

Shaft tolerance	H8
Supply voltage limits	10...30 V DC
Maximum revolution speed	6000 rpm
Shaft moment of inertia	0.01 lb.in <sup>2</sup> (30 g.cm <sup>2</sup> )
Torque value	0.03 lbf.in (0.003 N.m)
Maximum load	11 daN radial
Output frequency	800 kHz
Current consumption	0...100 mA no-load
Protection type	Reverse polarity protection Voltage peaks protection
Status LED	1 LED green CAN_RUN 1 LED red CAN_ERR
Surge withstand	0.5 kV level 1 IEC 61000-4-5
Base material	Aluminium
Shaft material	Stainless steel
Type of ball bearings	6000ZZ1
Product weight	1.23 lb(US) (0.56 kg)

## Environment

product certifications	CiA Schneider Electric interoperability standards
marking	CE
ambient air temperature for operation	-40...185 °F (-40...85 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
IP degree of protection	IP64 IEC 60529

vibration resistance	10 gn (10...2000 Hz) IEC 60068-2-6
shock resistance	100 gn (6 ms) IEC 60068-2-27
resistance to electrostatic discharge	2 kV contact discharge level 2 IEC 61000-4-2 4 kV air discharge level 2 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

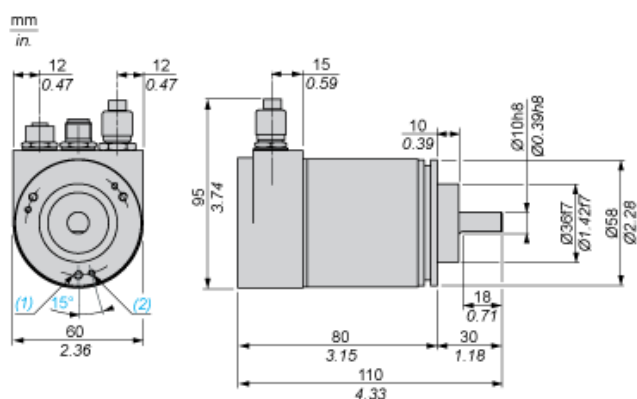
## Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 1136 - Schneider Electric declaration of conformity	Compliant - since 1136 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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 to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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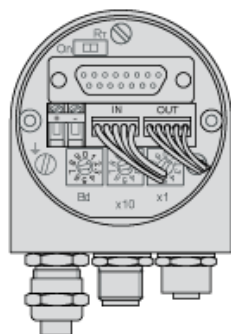
## Dimensions



- (1) 3 M4 holes at 120° on 48 PCD, depth: 6 mm
- (2) 3 M3 holes at 120° on 48 PCD, depth: 6 mm

## Wiring Diagram

### CANopen Connections

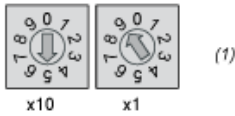


Bus termination resistor

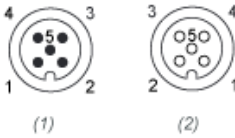


- (1) 1st or last encoder
- (2) Encoder X

**Permissible address range**



- (1) (1 => 99) (0 => reserve)



- (1) Bus IN M12 male connector
- (2) Bus OUT M12 female connector

Pin	1	2	3	4	5
Function	CAN_SHLD	(CAN_V+)	CAN_GND	CAN_H	CAN_L

Terminal	+	-
Function	24 V	0 V