

XCC1506PS11Y

incremental encoder Ø 58 - solid shaft 6 mm -
1024 points - push-pull

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	0.24 in (6 mm)
Shaft type	Solid shaft
Resolution	1024 points
Output stage	Type Y
Type of output stage	Driver push-pull
Electrical connection	1 male connector M23 radial 12 pins
[Us] rated supply voltage	5...30 V DC
Enclosure material	Zamak

Complementary

Shaft tolerance	G7
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: 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
Product weight	1.09 lb(US) (0.495 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	003389119014540
Nbr. of units in pkg.	1
Package weight(Lbs)	1.0900000000000001
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
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Technical drawing of the 1000 Series 1/2" (25.4 mm) ball valve. The drawing includes a front view on the left and a side view on the right. The front view shows a circular body with a central bore and six mounting holes. The side view shows the valve's profile, including the handle and the internal ball mechanism. Dimensions are provided in both millimeters (mm) and inches (in.).

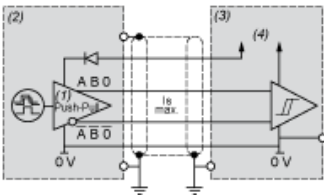
Dimensions (mm/in):

- Top flange diameter: M23
- Top flange thickness: $5.5 / 0.22$
- Top flange hole diameter: $\text{Ø}25 / \text{Ø}0.98$
- Top flange hole spacing: $54 / 2.13$
- Top flange hole diameter: $4 / 0.16$
- Top flange hole diameter: $10.5 / 0.41$
- Top flange hole diameter: $10 / 0.39$
- Top flange hole diameter: $\text{Ø}6g7 / \text{Ø}0.24g7$
- Top flange hole diameter: $\text{Ø}50h7 / \text{Ø}1.97h7$
- Top flange hole diameter: $\text{Ø}58 / \text{Ø}2.28$
- Top flange hole diameter: $36.5 / 1.44$
- Top flange hole diameter: $10 / 0.39$

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Wiring Diagram

Type Y Output Stage

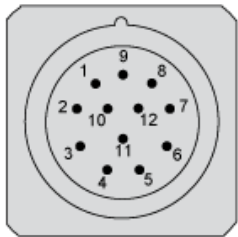


- (1) RS 422 compatible on 5 V supply
- (2) Encoder
- (3) Processing
- (4) Supply 5 V/30 V

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

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