# **XCC1506PS05Y**

incremental encoder  $\emptyset$  58 - solid shaft 6 mm - 500 points - push-pull



#### Main

Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	58 mm
Shaft diameter	6 mm
Shaft type	Solid shaft
Resolution	500 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	530 V DC
Enclosure material	Zamak

### Complementary

Shaft tolerance	G7	
Residual ripple	500 mV	
Maximum revolution speed	9000 rpm	
Shaft moment of inertia	10 g.cm²	
Torque value	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: 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	0.495 kg	

## **Environment**

marking	CE					
ambient air temperature for operation	-30100 °C					
ambient air temperature for storage	-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 for 11 ms conforming to IEC 60068-2-27					
resistance to electrostatic discharge	8 kV (air discharge) level 3 conforming to IEC 61000-4-2 4 kV (contact discharge) level 3 conforming to IEC 61000-4-2					
resistance to electromagnetic fields	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					

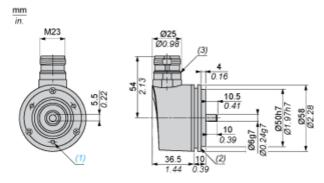
### Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0701 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

#### Contractual warranty

Warranty period 18 months
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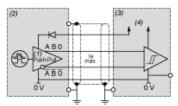
#### **Dimensions**



- (1) 3 holes M3 x 4 at 120° on 42 PCD, depth: 10 mm
- (2) Collar XCCRB1 mounted
- (3) Nitrile seal

# **Wiring Diagram**

# Type Y Output Stage

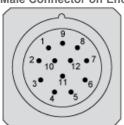


- (1) RS 422 compatible on 5 V supply
- (2) Encoder
- (3) Processing
- (4) Supply 5 V/30 V

# **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-	В	B-	R	А	R	0 V	0 V	+V

R = reserved, do not connect

