



## Main

Range of product	OsiSense XCC
Encoder type	Incremental encoder
Encoder name	XCC
Product specific application	-
Diameter	1.57 in (40 mm)
Shaft diameter	0.24 in (6 mm)
Shaft type	Through shaft
Resolution	1024 points
Output stage	Type R
Type of output stage	Driver 5V, RS422
Electrical connection	Cable radial shielded
Cable length	6.56 ft (2 m)
Cable composition	8 x 0.14 mm <sup>2</sup>
[Us] rated supply voltage	5 V DC
Supply voltage limits	4.5...5.5 V DC
Enclosure material	Aluminium Zamak

## Complementary

Shaft tolerance	H7
Cable outer diameter	0.24 in (6 mm)
Residual ripple	200 mV
Maximum revolution speed	9000 rpm
Shaft moment of inertia	0 lb.in <sup>2</sup> (5 g.cm <sup>2</sup> )
Torque value	0.02 lbf.in (0.0025 N.m)
Maximum load	1 daN axial 2 daN radial
Output frequency	100 kHz
Number of channels	3
Current consumption	0...100 mA (no-load)
Maximum output current	40 mA
Output level	Low level: 0.5 V maximum (20 mA) High level: 2.5 V minimum (20 mA)
Surge withstand	1 kV, level 2 conforming to IEC 61000-4-5
Base material	Aluminium Zamak
Shaft material	Aluminium Stainless steel
Type of ball bearings	688AZZ1
Product weight	0.89 lb(US) (0.405 kg)

## Environment

marking	CE
ambient air temperature for operation	-4...176 °F (-20...80 °C)
ambient air temperature for storage	-22...185 °F (-30...85 °C)
IP degree of protection	IP52 conforming to IEC 60529
vibration resistance	10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn 11 ms conforming to IEC 60068-2-27
resistance to electrostatic discharge	8 kV (air discharge) level 3 conforming to IEC 61000-4-2

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

	4 kV (contact 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

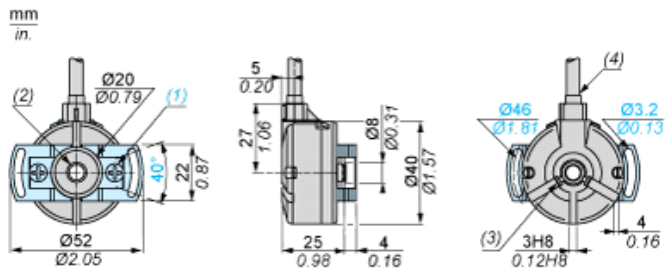
## Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0701 - Schneider Electric declaration of conformity	Compliant - since 0701 - 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
-----------------	-----------

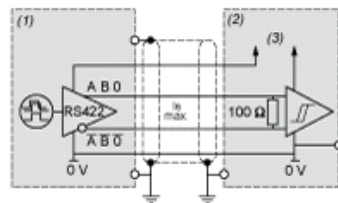
## Dimensions



- (1) 2 M4 holes at 120° for cross-headed screws on 30 PCD, depth: 6 mm
- (2) Through shaft, Ø 6 (H7)
- (3) 2 M2 x 3 flat cross-headed locking screws
- (4) Ø 6 cable, length 2 m, minimum bend radius: 30 mm

## Wiring Diagram

### Type R Output Stage



- (1) Encoder
- (2) Processing
- (3) Supply 5 V

## Wiring Diagram

### Cable Connections

Wire colour	BN	RD	VT	BU	YE	OG	GN	BK
Signal Supply	A <sup>-</sup>	+V	0	0 <sup>-</sup>	B	B <sup>-</sup>	A	0V

BN = Brown  
RD = Red  
VT = Violet  
BU = Blue  
YE = Yellow  
OG = Orange  
GN = Green  
BK = Black



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.