



## 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 K                   |
| Type of output stage         | Driver push-pull         |
| 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    | 11...30 V DC             |
| Enclosure material           | Aluminium<br>Zamak       |

## Complementary

|                          |  |
|--------------------------|--|
| Shaft tolerance          | H7   |
| Cable outer diameter     | 0.24 in (6 mm)   |
| Residual ripple          | 500 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<br>2 daN radial  |
| Output frequency         | 100 kHz  |
| Number of channels       | 3  |
| Current consumption      | 0...75 mA (no-load)  |
| Protection type          | Reverse polarity protection<br>Short-circuit protection                        |
| Maximum output current   | 40 mA  |
| Output level             | Low level: 1.5 V maximum (20 mA)<br>High level: V supply - 3 V minimum (20 mA) |
| Surge withstand          | 1 kV, level 2 conforming to IEC 61000-4-5                                      |
| Base material            | Aluminium<br>Zamak   |
| Shaft material           | Aluminium<br>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            |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

|                                       |  |
|---------------------------------------|--|
| resistance to electrostatic discharge | 8 kV (air discharge) level 3 conforming to IEC 61000-4-2<br>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<br>2 kV (power ports) level 3 conforming to IEC 61000-4-4        |

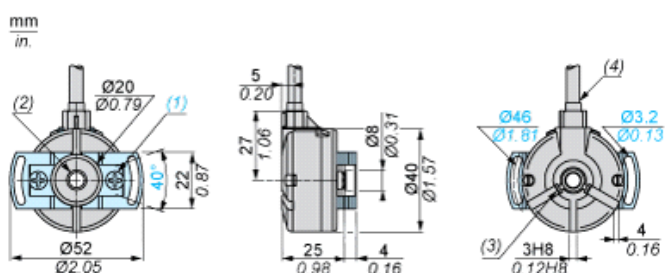
## Offer Sustainability

|  |  |
|--|--|
| 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 |
|-----------------|-----------|

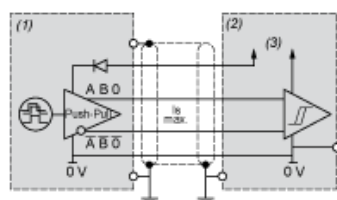
## Dimensions



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

## Wiring Diagram

### Type K Output Stage



- (1) Encoder
- (2) Processing
- (3) Supply 11 V/30 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!

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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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