

XCC3510PS84SGN

apsolutni enkoder Ø 58 višekretajni – čvrsta osovina
10 mm – SSI 25-bitni sivi



Glavno

| | |
|------------------------------|-------------------------------------|
| Range of product | OsiSense XCC |
| Encoder type | Multiturn absolute encoder |
| Device short name | XCC |
| Product specific application | - |
| Diameter | 58 mm |
| Shaft diameter | 10 mm |
| Shaft type | Solid shaft |
| Resolution | 4096 turns/8192 points |
| Electrical connection | 1 male connector M23 radial 12 pins |
| Output stage | Type SG |
| Type of output stage | SSI 25-bit gray |
| [Us] rated supply voltage | 11...30 V DC |
| Enclosure material | Steel |

Komplementarno

| | |
|--------------------------|---|
| Residual ripple | 500 mV |
| Maximum revolution speed | 6000 rpm |
| Shaft moment of inertia | 10 g.cm ² |
| Torque value | 0.004 N.m |
| Maximum load | 10 daN radial 5 daN axial |
| Output frequency | 100...500 kHz |
| Current consumption | 0...100 mA no-load |
| Protection type | Reverse polarity protection Short-circuit protection |
| Physical interface | RS422 |
| Output level | High level: 2 V minimum 20 mA |
| Surge withstand | 1 kV level 2 IEC 61000-4-5 |
| Base material | Aluminium |
| Shaft material | Stainless steel |
| Type of ball bearings | 6900ZZ1 |
| Product weight | 0.685 kg |

Okolina

| | |
|---------------------------------------|--|
| marking | CE |
| ambient air temperature for operation | -20...85 °C |
| ambient air temperature for storage | -20...85 °C |
| IP degree of protection | IP65 IEC 60529 |
| vibration resistance | 10 gn (10...2000 Hz) IEC 60068-2-6 |
| shock resistance | 30 gn (11 ms) IEC 60068-2-27 |
| resistance to electrostatic discharge | 4 kV contact discharge level 3 IEC 61000-4-2 8 kV air discharge level 3 IEC 61000-4-2 |
| resistance to electromagnetic fields | 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 |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

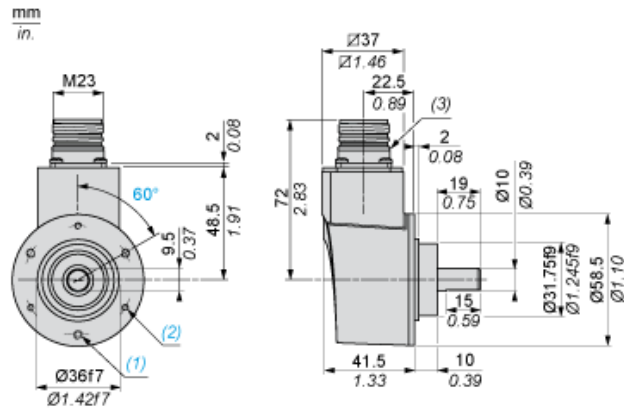
Offer Sustainability

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

Contractual warranty

| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions

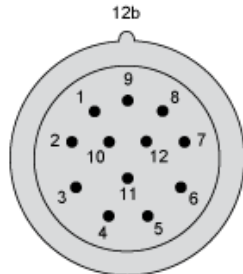


- (1) 3 M4 holes at 120° on 48 PCD, depth: 8 mm
- (2) 3 M3 holes at 120° on 48 PCD, depth: 8 mm
- (3) Nitrile seal

Wiring Diagram

M23, 12-pin Connector, Anticlockwise Connections

Male Connector on Encoder



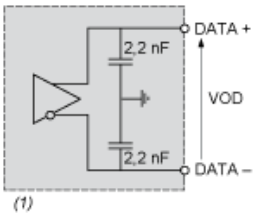
| Pin number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------------|-----|--------|-------|---|------------------|---------------|---|-----|---|--------|-------|----|
| Signal Supply | 0 V | Data + | Clk + | R | Direction (1) | Reset to zero | R | + V | R | Data - | Clk - | R |

- (1) : Clockwise direction
- : Anticlockwise direction

R = Reserved (do not connect)

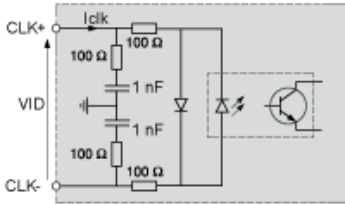
Technical Description

RS 422 Data Output



(1) $I_{data} = 20 \text{ mA}$ $|VOD| > 2 \text{ V}$

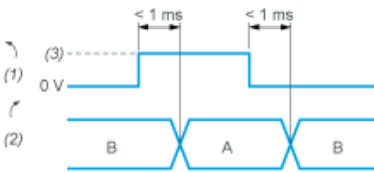
Isolated Clock Input



VID maximum: 5 V

Iclk maximum: 15 mA

DIRECTION Input



A : Anticlockwise

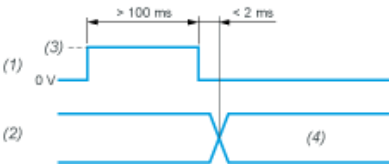
B : Clockwise

(1) DIRECTION input

(2) DIRECTION of counting

(3) V supply

Input Stage - Reset to Zero



(1) Reset input

(2) Position

(3) V supply

(4) Position=0 (Reset to zero)