-40°C ... +100°C

Technical characteristics

Power supply and output Resolution Max. admissible rotational speed Max. continuous rotational speed Axial load Radial load Material

Protection Connections

Weight Operating temperature Storage temperature 4.75 to 32 Vdc -Push-Pull output (RS422 compatible) 64 ; 128 ; 256 ; 512 ; 1024 PPR 12000 turns/min 12000 turns/min 20N 60N Body and cover: aluminum (RohS) Shaft: stainless steel IP65 (IP67 optional) MB - 4 pins PVC cable 8 wires approx. 60 g -20°C ... +100°C



Ordering reference

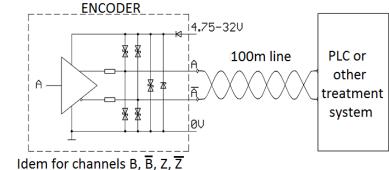
| CIO30P_06 | – _ PPCA 010 | 024 – GR | 1/03 – A | ا |
|---|--------------|----------|----------|----------|
| Model | | | | |
| CIO30P | | | | |
| Shaft diameter | | | | |
| 04 = 4mm | | | | |
| 05 = 5mm | | | | |
| 06 = 6mm | | | | |
| Other: please consult us | | | | |
| Output stage | | | | |
| PP = Push-Pull output, RS422 compatible | | | | |
| Supply | | | | |
| C = 4.75 - 32Vdc | | | | |
| Output signals | | | | |
| A = channels A, B, 0, /A, /B, /0 (0 gated A & B) (standard) | | | | |
| B = one channel | | | | |
| C = channels A, B, /A, /B | | | | |
| D = channels A, B, 0, /A, /B, /0 (A gated) | | | | |
| E = channels A and B | | | | |
| Resolution | | | | |
| 64 ; 128 ; 256 ; 512 ; 1024 | | • | | |
| Connections | | | | |
| G = PVC cable 8 wires | | | 1 | |
| O = M8 – 4 pins | | | | |
| Other: please consult us | | | | |
| Orientation | | | | |
| = Axial | | | | |
| = Radial | | | | |
| Connection type | | | | |
| 1 = Standard (please refer to the connection table) | | | 1 | |
| Other: please consult us | | | | |
| Cable length for connection G | | | | |
| /xx = example: /03 for 3m long cable | | | 1 | |
| Mechanical options | | | | |
| A = None | | | | |
| B = IP67 | | | | |
| The standard and the set | | | | |
| Electronics options | | | | |



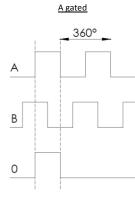
Electronic characteristics

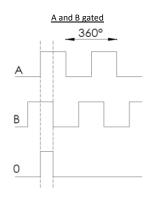
Push-Pull version

Power supply : 4.75 - 32VDC No-load consumption : 40mA Overvoltage, short circuits, reverse polarities and overcurrent protection

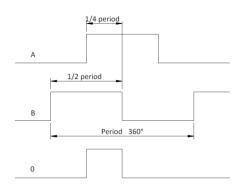


Output signals





Signals tolerance



Connections type 1

| M8 4 pins | PVC cable 8 wires |
|--------------|-----------------------|
| 1 | White |
| 2 | Brown |
| 3 | Green |
| 4 | Yellow |
| | Grey |
| | Pink |
| | Blue |
| | Red |
| | 4 pins 1 2 3 |



B channel (rising edge) leads A channel in CW rotation, view on shaft.

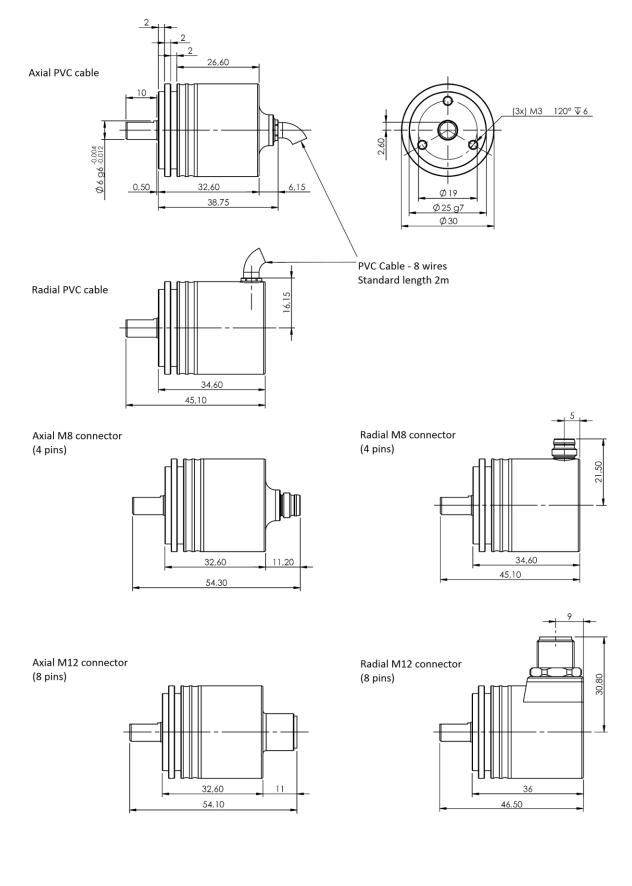
CW rotation direction:



Period: 360° electrics Duty cycle: 180° ± 10% Phase shift: 90° ± 25%



Technical drawings





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