



Figure similar

## MOTION CONNECT 500

Article No. : 6FX5002-2DC46-1AD0

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

### Electrical data

|   |                          |
|---|--------------------------|
| Design of the sensor  | Motor encoder DRIVE-CLiQ |
| Test voltage, rms Signal conductors                             | 500 V                    |
| Rated voltage U0/U in accordance with EN 50395 Power conductors | 30 V                     |

### Mechanical data

|   |                      |
|---|----------------------|
| Type of connection cable engine side            | M12 full thread      |
| Type of connection cable converter side         | M17                  |
| Maximum cable outer diameter                    | 7.1 mm               |
| Smallest bending radius (fixed installation)    | 35 mm                |
| Smallest bending radius (flexible installation) | 125 mm               |
| Number of bends, max.                           | 100,000              |
| Maximum traversing velocity                     | 30 m/min             |
| Acceleration horizontal, max                    | 2 m/s <sup>2</sup>   |
| Tensile stress, max. Fixed installation         | 80 N/mm <sup>2</sup> |
| Tensile stress, max. Flexible installation      | 30 N/mm <sup>2</sup> |
| Torsional stress                                | Absolute 30°/m       |
| Length  | 3.0 m                |

### Technical data

#### Ambient temperature

|   |                                 |
|---|---------------------------------|
| Operation with permanently installed cable              | -20 ... 80 °C                   |
| Operation with moving cable                             | 0 ... 60 °C                     |
| Storage   | -20 ... 80 °C                   |
| Kind of connection cable                                | Basis cable                     |
| Material of the cable sheath                            | PVC DESINA-Color green RAL 6018 |
| Type of insulation                                      | Without CFC and silicone        |
| Standard for behavior in fire: flame resistance         | EN 60332-1-1 to 1-3             |
| Oil resistance  | EN 60811-2-1 (mineral oil only) |
| Verification of suitability as authorisation for USA    | UL STYLE 2502                   |
| Verification of suitability as authorisation for Canada | CSA-N.210.2-M90                 |