

## MOTION CONNECT 500

### MLFB-Ordering data

6FX5002-2EN20-1AC0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Electrical data

Design of the sensor Absolute encoder with EnDat

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 M17 SPEED-CONNECT

Type of connection cable converter side SPEED-Connect

Maximum cable outer diameter 9.8 mm

Smallest bending radius (fixed installation) 60 mm

Smallest bending radius (flexible installation) 100 mm

Number of bends, max. 2,000,000

Maximum traversing velocity 180 m/min

Acceleration horizontal, max 5 m/s<sup>2</sup>

Tensile stress, max. Fixed installation 50 N/mm<sup>2</sup>

Tensile stress, max. Flexible installation 20 N/mm<sup>2</sup>

Torsional stress Absolute 30°/m

Length 2.0 m



Figure similar

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## 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    | UL758, cURus with AWM-Style     |
| Verification of suitability as authorisation for Canada | CSA-C22.2-N.210.2-M90           |