

## MOTION CONNECT 500

### MLFB-Ordering data

6FX5002-5CA05-1BG0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Electrical data

No. of cores x cross-section mm<sup>2</sup> 4x1.5 C

Test voltage, rms Power conductors 4.0 kV

Test voltage, rms Signal conductors 2.0 kV

Type with braking lead No

Rated voltage V0/V according to EN 50395 600 V/1000 V

### Mechanical data

Type of connection cable engine side Conector full thread

Connector size 1 / M23

Type of bolting not relevant

Type of connection cable converter side Coupling SPEED-CONNECT-Ready

Maximum cable outer diameter 10.8 mm

Length 16.0 m

Weight (without connector) 3.5 kg

### Static deployment

Smallest bending radius (fixed installation) 54.0 mm

Tensile load for permanently installed cable, max. 50 N/mm<sup>2</sup> (7252 lbf/in<sup>2</sup>)

Torsional stress Absolute 30°/m

### Dynamic deployment

Smallest bending radius(flexible installation in a cable carriers) 195.0 mm

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

Maximum traversing velocity 30 m/min

Travel path 5 m

Number of bends, max. 100,000

Tensile load for moving cable, max. 20 N/mm<sup>2</sup> (2901 lbf/in<sup>2</sup>)



Figure similar

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Technical data

Ambient temperature

|                                                         |                                         |
|---------------------------------------------------------|-----------------------------------------|
| Operation with permanently installed cable              | -20 ... 80 °C                           |
|                                                         | Module-end power connector 0 ... 55°C   |
| Operation with moving cable                             | 0 ... 60 °C                             |
|                                                         | Motor-end power connector 0 ... 55°C    |
| Storage                                                 | -20 ... 80 °C                           |
|                                                         | Module-end power connector -20 ... 70°C |
| Kind of connection cable                                | Extension                               |
| Material of the cable sheath                            | PVC DESINA color orange RAL 2003        |
| Type of insulation                                      | CFC/silicone-free                       |
| 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                                   |
| Verification of suitability as authorisation for Canada | CSA-C22.2-N.210.2-M90                   |