

## MOTION CONNECT 800PLUS

### MLFB-Ordering data

6FX8002-5CA15-1DA0



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> 4x2.5 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 11.0 mm

Length 30.0 m

Weight (without connector) 6.00 kg

### Static deployment

Smallest bending radius (fixed installation) 44.0 mm

Tensile stress, max. Fixed installation 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) 90.0 mm

Acceleration horizontal, max 50 m/s<sup>2</sup>

Maximum traversing velocity 300 m/min

Travel path 50 m

Number of bends, max. 10,000,000

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 | -50 ... 80 °C<br><br>Module-end power connector 0 ... 55°C, Motor-end power connector -20 ... 80°C   |
| Operation with moving cable                | -20 ... 60 °C<br><br>Module-end power connector 0 ... 55°C                                           |
| Storage                                    | -20 ... 80 °C<br><br>Module-end power connector -20 ... 70°C, Motor-end power connector -20 ... 80°C |

|                                                         |                                  |
|---------------------------------------------------------|----------------------------------|
| Kind of connection cable                                | Extension                        |
| Material of the cable sheath                            | PUR DESINA color orange RAL 2003 |
| Type of insulation                                      | CFC/halogen/silicone-free        |
| Standard for behavior in fire: flame resistance         | EN 60332-1-1 to 1-3              |
| Oil resistance                                          | EN 60811-2-1                     |
| Verification of suitability as authorisation for USA    | UL 758                           |
| Verification of suitability as authorisation for Canada | CSA-C22.2-N.210.2-M90            |