SIEMENS

## MOTION CONNECT 500



Figure similar

**MLFB-Ordering data** **6FX5008-1BB11-3AA0**

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

Item no. :
Consignment no. :
Project :

| Electrical data | |
|---|---|
| No. of cores x cross-section mm² | 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 | n/a (sold by the meter) |
| Connector size | n/a (sold by the meter) |
| Type of bolting | n/a (sold by the meter) |
| Type of connection cable converter side | n/a (sold by the meter) |
| Maximum cable outer diameter | 8.4 mm |
| Length | 200.0 m |
| Weight (without connector) | 24.0 kg |

### Static deployment

| | |
|---|---|
| Smallest bending radius (fixed installation) | 21.0 mm |
| Tensile load for permanently installed cable, max. | 50 N/mm² (7252 lbf/in²) |
| Torsional stress | Absolute 30°/m |

### Dynamic deployment

| | |
|---|---|
| Smallest bending radius(flexible installation in a cable carriers) | 155.0 mm |
| Acceleration horizontal, max | 2 m/s² |
| Maximum traversing velocity | 30 m/min |
| Travel path | 5 m |
| Number of bends, max. | 100,000 |
| Tensile load for moving cable, max. | 20 N/mm² (2901 lbf/in²) |

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## Technical data

### Ambient temperature

| | |
|---|---|
| Operation with permanently installed cable | -20 ... 80 °C<br>Module-end power connector 0 ... 55°C |
| Operation with moving cable | 0 ... 60 °C<br>Module-end power connector 0 ... 55°C |
| Storage | -20 ... 80 °C<br>Module-end power connector -20 ... 70°C |
| Kind of connection cable | Sold by the meter |
| 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 |