SIEMENS



Figure similar

## MOTION CONNECT 500

**Article No. :** **6FX5002-8QN04-1FA0**

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

Item no. :
Consignment no. :
Project :

| Electrical data | |
|---|---|
| No. of cores x cross-section mm² | 4x0.38 + 4x0.2 + 2x0.38C C |
| Test voltage, rms Power conductors | 1.5 kV |
| Test voltage, rms Signal conductors | 0.5 kV |
| Type with braking lead | Yes |
| Rated voltage V0/V according to EN 50395 | 300 V |

| Mechanical data | |
|---|---|
| Type of connection cable engine side | Connector SPEED-CONNECT |
| Connector size | M12 |
| Type of bolting | not relevant |
| Type of connection cable converter side | Wire ends with ferrules (OCC signal connector pre-assembled) |
| Maximum cable outer diameter | 9.7 mm |
| Length | 50.0 m |
| Weight (without connector) | 6.5 kg |
| **Static deployment** | |
| Smallest bending radius (fixed installation) | 23.5 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) | 94.0 mm |
| Acceleration horizontal, max | 2.0 m/s² |
| Maximum traversing velocity | 30.0 m/min |
| Travel path | 5 m |
| Number of bends, max. | 100,000 |
| Tensile load for moving cable, max. | 20 N/mm² (2901 lbf/in²) |

| Technical data | |
|---|---|
| **Ambient temperature** | |
| Operation with permanently installed cable | -20.0 ... 80.0 °C<br>Module-end power connector 0 ... 55°C |
| Operation with moving cable | 0.0 ... 60.0 °C<br>Module-end power connector 0 ... 55°C |
| Storage | -20.0 ... 80.0 °C<br>Module-end power connector -20 ... 70°C |
| Kind of connection cable | Basis cable |
| 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 |