

MOTION CONNECT 500

Article No. : 6FX5002-8QE08-1AE0



Figure similar

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

Item no. :
Consignment no. :
Project :

Electrical data

| | |
|--|-------------------------|
| No. of cores x cross-section mm ² | 4x0,75 + 4x0,2 + 2x0,5C |
| 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 | 600 V/1000 V |

Mechanical data

| | |
|---|-------------------------|
| Type of connection cable engine side | Connector SPEED-CONNECT |
| Connector size | 0.5 / M17 |
| Type of bolting | not relevant |
| Type of connection cable converter side | Coupling SPEED-CONNECT |
| Maximum cable outer diameter | 10.5 mm |
| Length | 4.0 m |
| Weight (without connector) | 0.6 kg |

Static deployment

| | |
|--|--|
| Smallest bending radius (fixed installation) | 25.5 mm |
| Tensile load for permanently installed cable, max. | 50 N/mm ² (7252 lbf/in ²) |
| Torsional stress | Absolute 30°/m |

Dynamic deployment

| | |
|--|--|
| Smallest bending radius(flexible installation in a cable carriers) | 102.0 mm |
| Acceleration horizontal, max | 2.0 m/s ² |
| 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/mm ² (2901 lbf/in ²) |

Technical data

Ambient temperature

| | |
|--|--|
| Operation with permanently installed cable | -20.0 ... 80.0 °C Module-end power connector 0 ... 55°C |
| Operation with moving cable | 0.0 ... 60.0 °C Module-end power connector 0 ... 55°C |
| Storage | -20.0 ... 80.0 °C Module-end power connector -20 ... 70°C |

Kind of connection cable

Material of the cable sheath PVC DESINA color orange RAL 2003

Type of insulation

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