

MOTION CONNECT 500

MLFB-Ordering data

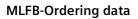
6FX5002-5DS01-1CA0



Client order no. : Order no. : Offer no. : Remarks : ltem no. : Consignment no. : Project :

| Electrical data | | |
|--|---------------------------------------|--|
| No. of cores x cross-section mm ² | 4x1.5 + 2x1.5C C | |
| Test voltage, rms Power conductors | 4.0 kV | |
| Test voltage, rms Signal conductors | 2.0 kV | |
| Type with braking lead | Yes | |
| Rated voltage V0/V according to EN 50395 | 600 V/1000 V | |
| Mechanic | al 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 | Connector SINAMICS S120 Booksize MoMo | |
| Maximum cable outer diameter | 10.8 mm | |
| Length | 20.0 m | |
| Weight (without connector) | 4.4 kg | |
| Static deployment | | |
| Smallest bending radius (fixed installation) | 54.0 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) | 195.0 mm | |
| Acceleration horizontal, max | 2 m/s ² | |
| 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 |
| | 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 | 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 |