

## MOTION CONNECT 500

Article No. : 6FX5012-5CN01-1DA0

«I2\_MC\_Artikel\_Nr»



Figure similar  
«I2\_MC\_Abbildung»

|  |         |  |         |
|--|---------|--|---------|
| Client order no. :<br>«I2_SD_Label_KAUFTRAGNR» | «I2_LZ» | Item no. :<br>«I2_SD_Label_ITEMNR»               | «I2_LZ» |
| Order no. :<br>«I2_SD_Label_SAUFRAGNR»         | «I2_LZ» | Consignment no. :<br>«I2_SD_Label_KOMMISSIONSNR» | «I2_LZ» |
| Offer no. :<br>«I2_SD_Label_ANGEBOT»           | «I2_LZ» | Project :<br>«I2_SD_Label_PROJEKT»               | «I2_LZ» |
| Remarks :<br>«I2_SD_Label_BEMERKUNG»           | «I2_LZ» |  |         |

### Electrical data

«I2\_electricdata»

|  |                       |
|--|-----------------------|
| No. of cores x cross-section mm <sup>2</sup><br>«I2_MC_Anzahl_Adern_Querschnitt» | 4x1.5 C               |
| Test voltage, rms Power conductors<br>«I2_MC_Pruefspannung_Versorgungsadern_Eff» | 4.0 kV                |
| Test voltage, rms Signal conductors<br>«I2_MC_Label_Anschluss_Haltebremse»       | 2.0 kV                |
| Type with braking lead<br>«I2_MC_Label_Anschluss_Haltebremse»                    | No<br>«I2_PMD_ABY153» |
| Rated voltage V0/V according to EN 50395<br>«I2_MC_Label_Anschluss_Haltebremse»  | 600 V/1000 V          |

### Mechanical data

«I2\_mechanicalData»

|  |  |
|--|--|
| Type of connection cable engine side<br>«I2_MC_Minimaler_Biegeradius_fester_Verle»           | Connector SPEED-CONNECT<br>«I2_PMD_ABY153»               |
| Connector size<br>«I2_PMD_ABY155_001_000»  | 1 / M23<br>«I2_PMD_ABY155»                               |
| Type of bolting<br>«I2_MC_Anzahl_Biegungen_max»  | not relevant<br>«I2_PMD_ABY155»                          |
| Type of connection cable converter side<br>«I2_PMD_ACB333_001_000»                           | Connector SINAMICS S120 Booksize MoMo<br>«I2_PMD_ABY155» |
| Maximum cable outer diameter<br>«I2_PMD_ACB334_001_000»                                      | 8.4 mm   |
| Length<br>«I2_MC_Torsionsbelastung»  | 30.0 m   |
| Weight (without connector)<br>«I2_ENC_anschlussstyp»   | 3.6 kg   |
| <b>Static deployment</b><br>«I2_ENC_anschlussstyp»   |  |
| Smallest bending radius (fixed installation)<br>«I2_ENC_anschlussstyp»                       | 21.0 mm  |
| Tensile load for permanently installed cable, max.<br>«I2_ENC_anschlussstyp»                 | 50 N/mm <sup>2</sup> (7252 lbf/in <sup>2</sup> )         |
| Torsional stress<br>«I2_ENC_anschlussstyp»   | Absolute 30°/m<br>«I2_PMD_ABY153»                        |
| <b>Dynamic deployment</b><br>«I2_ENC_anschlussstyp»  |  |
| Smallest bending radius(flexible installation in a cable carriers)<br>«I2_ENC_anschlussstyp» | 155.0 mm   |
| Acceleration horizontal, max<br>«I2_ENC_anschlussstyp»                                       | 2.0 m/s <sup>2</sup>                                     |
| Maximum traversing velocity<br>«I2_ENC_anschlussstyp»  | 30.0 m/min   |
| Travel path<br>«I2_ENC_anschlussstyp»  | 5 m  |
| Number of bends, max.<br>«I2_ENC_anschlussstyp»  | 100,000  |
| Tensile load for moving cable, max.<br>«I2_ENC_anschlussstyp»                                | 20 N/mm <sup>2</sup> (2901 lbf/in <sup>2</sup> )         |

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### Technical data

«I2\_technicaldata»

#### Ambient temperature

«I2\_h\_umgebung\_umgebungtemp»

Operation with permanently installed cable

«I2\_MC\_Betrieb\_feste\_Leitung»

-20.0 ... 80.0 °C

Module-end power connector 0 ... 55°C

«I2\_PMD\_ABY148»

Operation with moving cable

«I2\_MC\_Betrieb\_feste\_Leitung»

0.0 ... 60.0 °C

Module-end power connector 0 ... 55°C

«I2\_PMD\_ABY148»

Storage

«I2\_MC\_Betrieb\_feste\_Leitung»

-20.0 ... 80.0 °C

Module-end power connector -20 ... 70°C

«I2\_PMD\_ABY148»

Kind of connection cable

«I2\_MC\_Art\_Leitung»

Basis cable

«I2\_PMD\_ABY148»

Material of the cable sheath

«I2\_MC\_Material\_Kabelmantel»

PVC DESINA color orange RAL 2003

«I2\_PMD\_AAC618»

Type of insulation

«I2\_MC\_Art\_Isolierung»

CFC/silicone-free

«I2\_UI\_AAB047»

Standard for behavior in fire: flame resistance

«I2\_MC\_Norm\_Brandverhalten\_Flammwidrigkei»

EN 60332-1-1 to 1-3

«I2\_PMD\_ABT887»

Oil resistance

«I2\_MC\_Oelbestaendigkeit\_Kabel»

EN 60811-2-1 (mineral oil only)

«I2\_PMD\_ACB330»

Verification of suitability as authorisation for USA

«I2\_MC\_Eignungsnachweis\_CE»

UL758

Verification of suitability as authorisation for Canada

«I2\_MC\_Eignungsnachweis\_UL»

CSA-C22.2-N.210.2-M90