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## MOTION CONNECT 500



Figure similar
«I2_MC_Abbildung»

**Article No. :** **6FX5002-5DN64-1EJ0**
«I2_MC_Artikel_Nr»

| | | | |
|---|---|---|---|
| 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_SAUFTRAGNR» | «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**<br>«I2_electricdata» | |
|---|---|
| No. of cores x cross-section mm²<br>«I2_MC_Anzahl_Adern_Querschnitt» | 4x10 + 2x1.5C 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» | Yes<br>«I2_PMD_ABY153» |
| Rated voltage V0/V according to EN 50395<br>«I2_MC_label_Anschluss_Haltebremse» | 600 V/1000 V |

| **Mechanical data**<br>«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» | 1.5 / M40<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» | Ring cable lug<br>«I2_PMD_ABY155» |
| Maximum cable outer diameter<br>«I2_PMD_ACB334_001_000» | 21.7 mm |
| Length<br>«I2_MC_Torsionsbelastung» | 48.0 m |
| Weight (without connector)<br>«I2_ENC_anschlusstyp» | 38.9 kg |
| **Static deployment**<br>«I2_ENC_anschlusstyp» | |
| Smallest bending radius (fixed installation)<br>«I2_ENC_anschlusstyp» | 54.2 mm |
| Tensile load for permanently installed cable, max.<br>«I2_ENC_anschlusstyp» | 50 N/mm² (7252 lbf/in²) |
| Torsional stress<br>«I2_ENC_anschlusstyp» | Absolute 30°/m<br>«I2_PMD_ABY153» |
| **Dynamic deployment**<br>«I2_ENC_anschlusstyp» | |
| Smallest bending radius(flexible installation in a cable carriers)<br>«I2_ENC_anschlusstyp» | 395.0 mm |
| Acceleration horizontal, max<br>«I2_ENC_anschlusstyp» | 2.0 m/s² |
| Maximum traversing velocity<br>«I2_ENC_anschlusstyp» | 30.0 m/min |
| Travel path<br>«I2_ENC_anschlusstyp» | 5 m |
| Number of bends, max.<br>«I2_ENC_anschlusstyp» | 100,000 |
| Tensile load for moving cable, max.<br>«I2_ENC_anschlusstyp» | 20 N/mm² (2901 lbf/in²) |

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| Technical data<br>«I2_technicaldata» | |
|---|---|
| **Ambient temperature**<br>«I2_h_umgebung_umgebungtemp» | |
| Operation with permanently installed cable<br>«I2_MC_Betrieb_feste_Leitung» | -20.0 ... 80.0 °C<br>Module-end power connector 0 ... 55°C<br>«I2_PMD_ABY148» |
| Operation with moving cable<br>«I2_MC_Betrieb_feste_Leitung» | 0.0 ... 60.0 °C<br>Module-end power connector 0 ... 55°C<br>«I2_PMD_ABY148» |
| Storage<br>«I2_MC_Betrieb_feste_Leitung» | -20.0 ... 80.0 °C<br>Module-end power connector -20 ... 70°C<br>«I2_PMD_ABY148» |
| Kind of connection cable<br>«I2_MC_Art_Leitung» | Basis cable<br>«I2_PMD_ABY148» |
| Material of the cable sheath<br>«I2_MC_Material_Kabelmantel» | PVC DESINA color orange RAL 2003<br>«I2_PMD_AAC618» |
| Type of insulation<br>«I2_MC_Art_Isolierung» | CFC/silicone-free<br>«I2_UI_AAB047» |
| Standard for behavior in fire: flame resistance<br>«I2_MC_Norm_Brandverhalten_Flammwidrigkei» | EN 60332-1-1 to 1-3<br>«I2_PMD_ABT887» |
| Oil resistance<br>«I2_MC_Oelbestaendigkeit_Kabel» | EN 60811-2-1 (mineral oil only)<br>«I2_PMD_ACB330» |
| Verification of suitability as authorisation for USA<br>«I2_MC_Eignungsnachweis_CE» | UL758 |
| Verification of suitability as authorisation for Canada<br>«I2_MC_Eignungsnachweis_UL» | CSA-C22.2-N.210.2-M90 |

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