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# MOTION CONNECT 500



Figure similar
«l2_MC_Abbildung»

## Article No. : 6FX5008-1BB21-3AA0
«l2_MC_Artikel_Nr»

| | | | |
|---|---|---|---|
| Client order no. :<br>«l2_SD_label_KAUFTRAGNR» | «l2_LZ» | Item no. :<br>«l2_SD_label_ITEMNR» | «l2_LZ» |
| Order no. :<br>«l2_SD_label_SAUFTRAGNR» | «l2_LZ» | Consignment no. :<br>«l2_SD_label_KOMMISSIONSNR» | «l2_LZ» |
| Offer no. :<br>«l2_SD_label_ANGEBOT» | «l2_LZ» | Project :<br>«l2_SD_label_PROJEKT» | «l2_LZ» |
| Remarks :<br>«l2_SD_label_BEMERKUNG» | «l2_LZ» | | |

| Electrical data<br>«l2_electricdata» | |
|---|---|
| No. of cores x cross-section mm²<br>«l2_MC_Anzahl_Adern_Querschnitt» | 4x2.5 C |
| Test voltage, rms Power conductors<br>«l2_MC_Pruefspannung_Versorgungsadern_Eff» | 4.0 kV |
| Test voltage, rms Signal conductors<br>«l2_MC_label_Anschluss_Haltebremse» | 2.0 kV |
| Type with braking lead<br>«l2_MC_label_Anschluss_Haltebremse» | No<br>«l2_PMD_ABY153» |
| Rated voltage V0/V according to EN 50395<br>«l2_MC_label_Anschluss_Haltebremse» | 600 V/1000 V |

| Mechanical data<br>«l2_mechanicalData» | |
|---|---|
| Type of connection cable engine side<br>«l2_MC_Minimaler_Biegeradius_fester_Verle» | n/a (sold by the meter)<br>«l2_PMD_ABY153» |
| Connector size<br>«l2_PMD_ABY155_001_000» | n/a (sold by the meter)<br>«l2_PMD_ABY155» |
| Type of bolting<br>«l2_MC_Anzahl_Biegungen_max» | n/a (sold by the meter)<br>«l2_PMD_ABY155» |
| Type of connection cable converter side<br>«l2_PMD_ACB333_001_000» | n/a (sold by the meter)<br>«l2_PMD_ABY155» |
| Maximum cable outer diameter<br>«l2_PMD_ACB334_001_000» | 10.0 mm |
| Length<br>«l2_MC_Torsionsbelastung» | 200.0 m |
| Weight (without connector)<br>«l2_ENC_anschlusstyp» | 42.0 kg |
| **Static deployment**<br>«l2_ENC_anschlusstyp» | |
| Smallest bending radius (fixed installation)<br>«l2_ENC_anschlusstyp» | 25.0 mm |
| Tensile load for permanently installed cable, max.<br>«l2_ENC_anschlusstyp» | 50 N/mm² (7252 lbf/in²) |
| Torsional stress<br>«l2_ENC_anschlusstyp» | Absolute 30°/m<br>«l2_PMD_ABY153» |
| **Dynamic deployment**<br>«l2_ENC_anschlusstyp» | |
| Smallest bending radius(flexible installation in a cable carriers)<br>«l2_ENC_anschlusstyp» | 180.0 mm |
| Acceleration horizontal, max<br>«l2_ENC_anschlusstyp» | 2.0 m/s² |
| Maximum traversing velocity<br>«l2_ENC_anschlusstyp» | 30.0 m/min |
| Travel path<br>«l2_ENC_anschlusstyp» | 5 m |
| Number of bends, max.<br>«l2_ENC_anschlusstyp» | 100,000 |
| Tensile load for moving cable, max.<br>«l2_ENC_anschlusstyp» | 20 N/mm² (2901 lbf/in²) |

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**Article No. :** **6FX5008-1BB21-3AA0**
«I2_MC_Artikel_Nr»

| 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» | Sold by the meter<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 |