

MOTION CONNECT 500

Article No. : 6FX5002-5DS54-1BH5  
«l2\_MC\_Artikel\_Nr»



Figure similar  
«l2\_MC\_Abbildung»

|                                               |         |                                                  |         |
|-----------------------------------------------|---------|--------------------------------------------------|---------|
| Client order no. :<br>«l2_SD_label_KAUFRAGNR» | «l2_LZ» | Item no. :<br>«l2_SD_label_ITEMNR»               | «l2_LZ» |
| Order no. :<br>«l2_SD_label_SAUFRAGNR»        | «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»             | 4x6 + 2x1.5C 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»                    | Yes<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»          | Connector full thread<br>«l2_PMD_ABY153» |
| Connector size<br>«l2_PMD_ABY155_001_000»                                                   | 1.5 / M40<br>«l2_PMD_ABY155»             |
| Type of bolting<br>«l2_MC_Anzahl_Biegungen_max»                                             | not relevant<br>«l2_PMD_ABY155»          |
| Type of connection cable converter side<br>«l2_PMD_ACB333_001_000»                          | Ring cable lug<br>«l2_PMD_ABY155»        |
| Maximum cable outer diameter<br>«l2_PMD_ACB334_001_000»                                     | 16.1 mm                                  |
| Length<br>«l2_MC_Torsionsbelastung»                                                         | 17.5 m                                   |
| Weight (without connector)<br>«l2_ENC_anschlusstyp»                                         | 8.6 kg                                   |
| Static deployment<br>«l2_ENC_anschlusstyp»                                                  |                                          |
| Smallest bending radius (fixed installation)<br>«l2_ENC_anschlusstyp»                       | 40.2 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» | 290.0 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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| Technical data                                          |                                         |
|---------------------------------------------------------|-----------------------------------------|
| «I2_technicaldata»                                      |                                         |
| Ambient temperature                                     |                                         |
| «I2_h_umgebung_umgebungtemp»                            |                                         |
| Operation with permanently installed cable              | -20.0 ... 80.0 °C                       |
| «I2_MC_Betrieb_feste_Leitung»                           | Module-end power connector 0 ... 55°C   |
|                                                         | «I2_PMD_ABY148»                         |
| Operation with moving cable                             | 0.0 ... 60.0 °C                         |
| «I2_MC_Betrieb_feste_Leitung»                           | Module-end power connector 0 ... 55°C   |
|                                                         | «I2_PMD_ABY148»                         |
| Storage                                                 | -20.0 ... 80.0 °C                       |
| «I2_MC_Betrieb_feste_Leitung»                           | Module-end power connector -20 ... 70°C |
|                                                         | «I2_PMD_ABY148»                         |
| Kind of connection cable                                | Basis cable                             |
| «I2_MC_Art_Leitung»                                     | «I2_PMD_ABY148»                         |
| Material of the cable sheath                            | PVC DESINA color orange RAL 2003        |
| «I2_MC_Material_Kabelmantel»                            | «I2_PMD_AAC618»                         |
| Type of insulation                                      | CFC/silicone-free                       |
| «I2_MC_Art_Isolierung»                                  | «I2_UI_AAB047»                          |
| Standard for behavior in fire: flame resistance         | EN 60332-1-1 to 1-3                     |
| «I2_MC_Norm_Brandverhalten_Flammwidrigkei»              | «I2_PMD_ABT887»                         |
| Oil resistance                                          | EN 60811-2-1 (mineral oil only)         |
| «I2_MC_Oelbestaendigkeit_Kabel»                         | «I2_PMD_ACB330»                         |
| Verification of suitability as authorisation for USA    | UL758                                   |
| «I2_MC_Eignungsnachweis_CE»                             |                                         |
| Verification of suitability as authorisation for Canada | CSA-C22.2-N.210.2-M90                   |
| «I2_MC_Eignungsnachweis_UL»                             |                                         |