

MOTION CONNECT 800PLUS

Article No. : 6FX8002-5CS14-1FA0



Figure similar

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

| Electrical data                          |              |
|------------------------------------------|--------------|
| No. of cores x cross-section mm²         | 4x10 C       |
| Test voltage, rms Power conductors       | 4.0 kV       |
| Test voltage, rms Signal conductors      | 2.0 kV       |
| Type with braking lead                   | No           |
| Rated voltage V0/V according to EN 50395 | 600 V/1000 V |

| Mechanical data                         |                      |
|-----------------------------------------|----------------------|
| Type of connection cable engine side    | Conector full thread |
| Connector size                          | 3 / M58              |
| Type of bolting                         | not relevant         |
| Type of connection cable converter side | Ring cable lug       |
| Maximum cable outer diameter            | 18.2 mm              |
| Length                                  | 50.0 m               |
| Weight (without connector)              | 31.00 kg             |

| Static deployment                            |                         |
|----------------------------------------------|-------------------------|
| Smallest bending radius (fixed installation) | 72.8 mm                 |
| Tensile stress, max. Fixed installation      | 50 N/mm² (7252 lbf/in²) |
| Torsional stress                             | Absolute 30°/m          |

| Dynamic deployment                                                 |                         |
|--------------------------------------------------------------------|-------------------------|
| Smallest bending radius(flexible installation in a cable carriers) | 140.0 mm                |
| Acceleration horizontal, max                                       | 50 m/s²                 |
| Maximum traversing velocity                                        | 300 m/min               |
| Travel path                                                        | 50 m                    |
| Number of bends, max.                                              | 10,000,000              |
| Tensile load for moving cable, max.                                | 20 N/mm² (2901 lbf/in²) |

| Technical data                                          |                                                                                 |
|---------------------------------------------------------|---------------------------------------------------------------------------------|
| Ambient temperature                                     |                                                                                 |
| Operation with permanently installed cable              | -50 ... 80 °C                                                                   |
|                                                         | Module-end power connector 0 ... 55°C, Motor-end power connector -20 ... 80°C   |
| Operation with moving cable                             | -20 ... 60 °C                                                                   |
|                                                         | Module-end power connector 0 ... 55°C                                           |
| Storage                                                 | -20 ... 80 °C                                                                   |
|                                                         | Module-end power connector -20 ... 70°C, Motor-end power connector -20 ... 80°C |
| Kind of connection cable                                | Basis cable                                                                     |
| Material of the cable sheath                            | PUR DESINA color orange RAL 2003                                                |
| Type of insulation                                      | CFC/halogen/silicone-free                                                       |
| Standard for behavior in fire: flame resistance         | EN 60332-1-1 to 1-3                                                             |
| Oil resistance                                          | EN 60811-2-1                                                                    |
| Verification of suitability as authorisation for USA    | UL 758                                                                          |
| Verification of suitability as authorisation for Canada | CSA-C22.2-N.210.2-M90                                                           |