SIEMENS

## MOTION CONNECT 800PLUS

Figure similar

**MLFB-Ordering data** **6FX8002-5CR43-1JA0**

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 | Open end of lead |
| Connector size | without |
| Type of bolting | M50 |
| Type of connection cable converter side | Open end of lead |
| Maximum cable outer diameter | 18.2 mm |
| Length | 80.0 m |
| Weight (without connector) | 49.60 kg |
| **Static deployment** | |
| Smallest bending radius (fixed installation) | 54.6 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 are subject to change! There may be discrepancies between calculated and rating plate values.



Generated Tue Oct 31 18:44:26 CET 2023

SIEMENS

Figure similar

**MLFB-Ordering data** **6FX8002-5CR43-1JA0**

## Technical data

### Ambient temperature

| | |
|---|---|
| Operation with permanently installed cable | -50 ... 80 °C<br><br>Module-end power connector 0 ... 55°C, Motor-end power connector -20 ... 80°C |
| Operation with moving cable | -20 ... 60 °C<br><br>Module-end power connector 0 ... 55°C |
| Storage | -20 ... 80 °C<br><br>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 |