

MOTION CONNECT 800PLUS

MLFB-Ordering data

6FX8002-5CN31-1BC6



Figure similar

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

Item no. :
Consignment no. :
Project :

Electrical data

| | |
|----------------------------------------------|--------------|
| No. of cores x cross-section mm ² | 4x2.5 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 SPEED-CONNECT |
| Connector size | 1.5 / M40 |
| Type of bolting | not relevant |
| Type of connection cable converter side | Connector SINAMICS S120 Booksize MoMo |
| Maximum cable outer diameter | 11.0 mm |
| Length | 12.6 m |
| Weight (without connector) | 2.52 kg |

Static deployment

| | |
|----------------------------------------------|--------------------------------------------------|
| Smallest bending radius (fixed installation) | 33.0 mm |
| Tensile stress, max. Fixed installation | 50 N/mm ² (7252 lbf/in ²) |
| Torsional stress | Absolute 30°/m |

Dynamic deployment

| | |
|--------------------------------------------------------------------|--------------------------------------------------|
| Smallest bending radius(flexible installation in a cable carriers) | 90.0 mm |
| Acceleration horizontal, max | 50 m/s ² |
| 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/mm ² (2901 lbf/in ²) |

MLFB-Ordering data

6FX8002-5CN31-1BC6



Figure similar

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 |