

## MOTION CONNECT 800PLUS



Figure similar

### MLFB-Ordering data

6FX8022-5CP47-1AF0

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

Item no. :  
Consignment no. :  
Project :

### Electrical data

|  |              |
|--|--------------|
| No. of cores x cross-section mm <sup>2</sup> | 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                         | M40  |
| Type of connection cable converter side | Connector for SINAMICS S120 Booksize MoMo, C/D types |
| Maximum cable outer diameter            | 18.2 mm  |
| Length                                  | 5.0 m  |
| Weight (without connector)              | 3.10 kg  |

### Static deployment

|  |  |
|--|--|
| Smallest bending radius (fixed installation) | 54.6 mm  |
| Tensile stress, max. Fixed installation      | 50 N/mm <sup>2</sup> (7252 lbf/in <sup>2</sup> ) |
| Torsional stress                             | Absolute 30°/m                                   |

### Dynamic deployment

|  |  |
|--|--|
| Smallest bending radius(flexible installation in a cable carriers) | 140.0 mm   |
| Acceleration horizontal, max                                       | 50 m/s <sup>2</sup>                              |
| 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 <sup>2</sup> (2901 lbf/in <sup>2</sup> ) |



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## 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   |