

## MOTION CONNECT 800PLUS

**MLFB-Ordering data**

**6FX8002-2DC42-1AE0**



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Electrical data

|   |                          |
|---|--------------------------|
| Design of the sensor  | Motor encoder DRIVE-CLiQ |
| Test voltage, rms Signal conductors                             | 500 V                    |
| Rated voltage U0/U in accordance with EN 50395 Power conductors | 30 V                     |

### Mechanical data

|   |                      |
|---|----------------------|
| Type of connection cable engine side            | RJ45 DRIVE-CLiQ      |
| Type of connection cable converter side         | M17                  |
| Maximum cable outer diameter                    | 7.1 mm               |
| Smallest bending radius (fixed installation)    | 35 mm                |
| Smallest bending radius (flexible installation) | 75 mm                |
| Number of bends, max.                           | 10,000,000           |
| Maximum traversing velocity                     | 300 m/min            |
| Acceleration horizontal, max                    | 50 m/s <sup>2</sup>  |
| Tensile stress, max. Fixed installation         | 50 N/mm <sup>2</sup> |
| Tensile stress, max. Flexible installation      | 20 N/mm <sup>2</sup> |
| Torsional stress                                | Absolute 30°/m       |
| Length  | 4.0 m                |



Figure similar

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## Technical data

### Ambient temperature

|  |  |
|--|--|
| Operation with permanently installed cable | -50 ... 80 °C  |
|  | Module- and motor-side RJ45 plug -20°C ... 80°C, M17 plug -20 ... 80°C |
| Operation with moving cable                | -20 ... 60 °C  |
| Storage                                    | -20 ... 80 °C  |
|  | Module- and motor-side RJ45 plug -20°C ... 80°C, M17 plug -20 ... 80°C |

|   |  |
|---|--|
| Kind of connection cable                                | Basis cable  |
| Material of the cable sheath                            | PUR, HD22.10 S2 (VDE 0282, part 10)<br>DESINA-color green RAL 6018 |
| Type of insulation                                      | Without CFC and silicone IEC 60754-1/DIN<br>VDE 0472-815           |
| 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 STYLE 2502  |
| Verification of suitability as authorisation for Canada | CSA-N.210.2-M90  |