

## MOTION CONNECT 800PLUS

### MLFB-Ordering data

6FX8002-2FN20-1AF0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Electrical data

Design of the sensor

Resolver 2-pole

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

M17 SPEED-CONNECT

Type of connection cable converter side

SPEED-Connect

Maximum cable outer diameter

9.2 mm

Smallest bending radius (fixed installation)

4 x Dmax

Smallest bending radius (flexible installation)

70 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

5.0 m



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Technical data

Ambient temperature

|                                            |                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------|
| Operation with permanently installed cable | -50 ... 80 °C                                                                     |
|                                            | Module-end power connector -40°C ... 80°C, Motor-end power connector -20 ... 80°C |
| Operation with moving cable                | -20 ... 60 °C                                                                     |
| Storage                                    | -20 ... 80 °C                                                                     |
|                                            | Module-end power connector -40°C ... 80°C, Motor-end power connector -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    | UL758, cURus with AWM-Style                                        |
| Verification of suitability as authorisation for Canada | CSA-C22.2-N.210.2-M90                                              |