

MOTION CONNECT 800PLUS

MLFB-Ordering data

6FX8002-2CF02-1AB0



Figure similar

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

Item no. :
Consignment no. :
Project :

Electrical data

Design of the sensor

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 Circular connector full thread

Type of connection cable converter side SUB-D

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/s²

Tensile stress, max. Fixed installation 50 N/mm²

Tensile stress, max. Flexible installation 20 N/mm²

Torsional stress Absolute 30°/m

Length 1.0 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)
DESINA-color green RAL 6018

Type of insulation

Without CFC and silicone IEC 60754-1/DIN
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