

MOTION CONNECT 800PLUS

MLFB-Ordering data

6FX8002-2AH00-1AF0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

Design of the sensor Incremental encoder HTL

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 M23 full thread

Type of connection cable converter side Open end of lead

Maximum cable outer diameter 9.3 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 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) 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