

MOTION CONNECT 800PLUS

MLFB-Ordering data

6FX8002-2CA31-1AD0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

Design of the sensor Incremental encoder sin/cos 1 Vpp 2048 pulses/rev with C and D track

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 SUB-D

Maximum cable outer diameter 9.8 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 3.0 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