

## MOTION CONNECT 500

### MLFB-Ordering data

6FX5002-2AH11-1CA0



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 SUB-D

Maximum cable outer diameter 9.3 mm

Smallest bending radius (fixed installation) 60 mm

Smallest bending radius (flexible installation) 100 mm

Number of bends, max. 2,000,000

Maximum traversing velocity 180 m/min

Acceleration horizontal, max 5 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 20.0 m



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## Technical data

### Ambient temperature

Operation with permanently installed cable	-20 ... 80 °C
Operation with moving cable	0 ... 60 °C
Storage	-20 ... 80 °C
Kind of connection cable	Basis cable
Material of the cable sheath	PVC DESINA-Color green RAL 6018
Type of insulation	Without CFC and silicone
Standard for behavior in fire: flame resistance	EN 60332-1-1 to 1-3
Oil resistance	EN 60811-2-1 (mineral oil only)
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