

MOTION CONNECT 500

MLFB-Ordering data

6FX5002-2AH00-1FA0



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) 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/s²

Tensile stress, max. Fixed installation 50 N/mm²

Tensile stress, max. Flexible installation 20 N/mm²

Torsional stress Absolute 30°/m

Length 50.0 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