

MOTION CONNECT 500

MLFB-Ordering data

6FX5002-2CB54-1AF0



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 conductors500 V

Rated voltage U0/U in accordance with EN 50395 Power conductors30 V

Mechanical data

Type of connection cable engine side

Type of connection cable converter sideM23

Maximum cable outer diameter9.3 mm

Smallest bending radius (fixed installation)60 mm

Smallest bending radius (flexible installation)100 mm

Number of bends, max.2,000,000

Maximum traversing velocity180 m/min

Acceleration horizontal, max5 m/s²

Tensile stress, max. Fixed installation50 N/mm²

Tensile stress, max. Flexible installation20 N/mm²

Torsional stressAbsolute 30°/m

Length5.0 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	Extension
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