

MOTION CONNECT 500

MLFB-Ordering data

6FX5002-2CF02-1AA5



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 sideM23 full thread

Type of connection cable converter sideSUB-D

Maximum cable outer diameter9.2 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

Length0.5 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