

MOTION CONNECT 500



Ordering data

6FX5002-2EQ10-1AF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

Design of the sensor	Absolute encoder with EnDat
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	Circular connector full thread
Type of connection cable converter side	SUB-D
Maximum cable outer diameter	9.8 mm
Smallest bending radius (fixed installation)	60 mm
Smallest bending radius (flexible installation)	100 mm
Maximum number of bending cycles	2,000,000
Maximum traversing velocity	180 m/min
Acceleration horizontal, max	5 m/s ²
Tensile stress, max. Fixed installation	50 N/mm ²
Tensile stress, max. Flexible installation	20 N/mm ²
Torsional stress	Absolute 30 °/m
Length	5.0 m

Technical data

Kind of connection cable	Basis cable
Material of the cable sheath	PVC DESINA-Color green RAL 6018
Operating temperature on the surface Fixed installation	-20 °C ... 80 °C
Operating temperature on the surface Flexible installation	0 °C ... 60 °C
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