

MOTION CONNECT 500

Article No. : 6FX5002-8QE21-1EA0



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data

No. of cores x cross-section mm ²	4x2,5 + 4x0,2 + 2x1,5C C
Test voltage, rms Power conductors	1.5 kV
Test voltage, rms Signal conductors	0.5 kV
Type with braking lead	Yes
Rated voltage V0/V according to EN 50395	600 V/1000 V

Mechanical data

Type of connection cable engine side	Connector SPEED-CONNECT
Connector size	1 / M23
Type of bolting	not relevant
Type of connection cable converter side	Coupling SPEED-CONNECT
Maximum cable outer diameter	13.7 mm
Length	40.0 m
Weight (without connector)	11.6 kg

Static deployment

Smallest bending radius (fixed installation)	33.2 mm
Tensile load for permanently installed cable, max.	50 N/mm ² (7252 lbf/in ²)
Torsional stress	Absolute 30°/m

Dynamic deployment

Smallest bending radius (flexible installation in a cable carriers)	133.0 mm
Acceleration horizontal, max	2.0 m/s ²
Maximum traversing velocity	30.0 m/min
Travel path	5 m
Number of bends, max.	100,000
Tensile load for moving cable, max.	20 N/mm ² (2901 lbf/in ²)

Technical data

Ambient temperature

Operation with permanently installed cable	-20.0 ... 80.0 °C Module-end power connector 0 ... 55°C
Operation with moving cable	0.0 ... 60.0 °C Module-end power connector 0 ... 55°C
Storage	-20.0 ... 80.0 °C Module-end power connector -20 ... 70°C

Kind of connection cable

Material of the cable sheath PVC DESINA color orange RAL 2003

Type of insulation

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

Verification of suitability as authorisation for Canada

CSA-C22.2-N.210.2-M90