



MOTION CONNECT 500

Ordering data

6FX5002-5CS01-1AF0

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

Item no. :
Consignment no. :
Project :

Electrical data

No. of cores x cross-section mm ²	4x1.5 C
Test voltage, rms Power conductors	4 kV
Test voltage, rms Signal conductors	2 kV
Type with braking lead	No
Rated voltage U0/U in accordance with EN 50395 Power conductors	600 V/1000 V

Mechanical data

Type of connection cable engine side	full thread
Connector size	1
Type of bolting	without
Type of connection cable converter side	Connector
Maximum cable outer diameter	8.4 mm
Smallest bending radius (fixed installation)	42.0 mm
Smallest bending radius(flexible installation in a cable carriers)	155.0 mm
Maximum number of bending cycles	100,000
Maximum traversing velocity	30 m/min
Acceleration horizontal, max	2 m/s ²
Tensile stress, max. Fixed installation	50 N/mm ² (7252 lbf/in ²)
Tensile stress, max. Flexible installation	20 N/mm ² (2901 lbf/in ²)
Torsional stress	Absolute 30°/m
Length	5.0 m
Weight (without connector)	0.6 kg

Technical data

Kind of connection cable	basis cable
Material of the cable sheath	PVC DESINA color orange RAL 2003
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	CFC/silicone-free
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