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Figure similar

MOTION CONNECT 500

MLFB-Ordering data **6FX5002-8QN04-1AF0**

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

Item no. :
Consignment no. :
Project :

Electrical data	
No. of cores x cross-section mm²	4x0.38 + 4x0.2 + 2x0.38C 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	300 V

Mechanical data	
Type of connection cable engine side	Conector SPEED-CONNECT
Connector size	M12
Type of bolting	not relevant
Type of connection cable converter side	Wire ends with ferrules (OCC signal connector pre-assembled)
Maximum cable outer diameter	9.7 mm
Length	5.0 m
Weight (without connector)	0.7 kg

Static deployment

Smallest bending radius (fixed installation)	23.5 mm
Tensile load for permanently installed cable, max.	50 N/mm² (7252 lbf/in²)
Torsional stress	Absolute 30°/m

Dynamic deployment

Smallest bending radius(flexible installation in a cable carriers)	94.0 mm
Acceleration horizontal, max	2 m/s²
Maximum traversing velocity	30 m/min
Travel path	5 m
Number of bends, max.	100,000
Tensile load for moving cable, max.	20 N/mm² (2901 lbf/in²)

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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Technical data

Ambient temperature

Operation with permanently installed cable	-20 ... 80 °C Module-end power connector 0 ... 55°C
Operation with moving cable	0 ... 60 °C Motor-end power connector 0 ... 55°C
Storage	-20 ... 80 °C Module-end power connector -20 ... 70°C
Kind of connection cable	Basis cable
Material of the cable sheath	PVC DESINA color orange RAL 2003
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