

## MOTION CONNECT 500

### MLFB-Ordering data

6FX5008-1BB61-1DA0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Electrical data

No. of cores x cross-section mm<sup>2</sup> 4x16 C

Test voltage, rms Power conductors 4.0 kV

Test voltage, rms Signal conductors 2.0 kV

Type with braking lead No

Rated voltage V0/V according to EN 50395 600 V/1000 V

### Mechanical data

Type of connection cable engine side n/a (sold by the meter)

Connector size n/a (sold by the meter)

Type of bolting n/a (sold by the meter)

Type of connection cable converter side n/a (sold by the meter)

Maximum cable outer diameter 24.2 mm

Length 30.0 m

Weight (without connector) 33.0 kg

### Static deployment

Smallest bending radius (fixed installation) 60.5 mm

Tensile load for permanently installed cable, max. 50 N/mm<sup>2</sup> (7252 lbf/in<sup>2</sup>)

Torsional stress Absolute 30°/m

### Dynamic deployment

Smallest bending radius (flexible installation in a cable carriers) 440.0 mm

Acceleration horizontal, max 2 m/s<sup>2</sup>

Maximum traversing velocity 30 m/min

Travel path 5 m

Number of bends, max. 100,000

Tensile load for moving cable, max. 20 N/mm<sup>2</sup> (2901 lbf/in<sup>2</sup>)



Figure similar

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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
	Module-end power connector 0 ... 55°C
Storage	-20 ... 80 °C
	Module-end power connector -20 ... 70°C
Kind of connection cable	Sold by the meter
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