



Figure similar

## MOTION CONNECT 500

Article No. : 6FX5002-8QE08-1AG6

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>	4x0,75 + 4x0,2 + 2x0,5C 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	0.5 / M17
Type of bolting	not relevant
Type of connection cable converter side	Coupling SPEED-CONNECT
Maximum cable outer diameter	10.5 mm
Length	6.6 m
Weight (without connector)	1.1 kg

### Static deployment

Smallest bending radius (fixed installation)	25.5 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)	102.0 mm
Acceleration horizontal, max	2.0 m/s <sup>2</sup>
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 <sup>2</sup> (2901 lbf/in <sup>2</sup> )

### 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	Extension
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