

MOTION CONNECT 500

MLFB-Ordering data

6FX5002-5CS31-1BF0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

No. of cores x cross-section mm² 4x2.5 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 Conector full thread

Connector size 1.5 / M40

Type of bolting not relevant

Type of connection cable converter side Connector SINAMICS S120 Booksize MoMo

Maximum cable outer diameter 10.0 mm

Length 15.0 m

Weight (without connector) 3.1 kg

Static deployment

Smallest bending radius (fixed installation) 25.0 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) 180.0 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)

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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