

MOTION CONNECT 500

MLFB-Ordering data

6FX5002-5CS41-1FA0



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

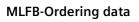
ltem no. : Consignment no. : Project :

Remarks :		
Electrical data		
No. of cores x cross-section mm ²	4x4 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	11.4 mm	
Length	50.0 m	
Weight (without connector)	13.5 kg	
Static deployment		
Smallest bending radius (fixed installation)	57.0 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)	210.0 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	