

## MOTION CONNECT 500

Article No. : 6FX5002-5CN27-1CF0

«I2\_MC\_Artikel\_Nr»



Figure similar  
«I2\_MC\_Abbildung»

Client order no. : «I2_SD_Label_KAUFTRAGNR»	«I2_LZ»	Item no. : «I2_SD_Label_ITEMNR»	«I2_LZ»
Order no. : «I2_SD_Label_SAUFRAGNR»	«I2_LZ»	Consignment no. : «I2_SD_Label_KOMMISSIONSNR»	«I2_LZ»
Offer no. : «I2_SD_Label_ANGEBOT»	«I2_LZ»	Project : «I2_SD_Label_PROJEKT»	«I2_LZ»
Remarks : «I2_SD_Label_BEMERKUNG»	«I2_LZ»		

### Electrical data

«I2\_electricdata»

No. of cores x cross-section mm <sup>2</sup> «I2_MC_Anzahl_Adern_Querschnitt»	4x1.5 C
Test voltage, rms Power conductors «I2_MC_Pruefspannung_Versorgungsadern_Eff»	4.0 kV
Test voltage, rms Signal conductors «I2_MC_Label_Anschluss_Haltebremse»	2.0 kV
Type with braking lead «I2_MC_Label_Anschluss_Haltebremse»	No «I2_PMD_ABY153»
Rated voltage V0/V according to EN 50395 «I2_MC_Label_Anschluss_Haltebremse»	600 V/1000 V

### Mechanical data

«I2\_mechanicalData»

Type of connection cable engine side «I2_MC_Minimaler_Biegeradius_fester_Verle»	Conector SPEED-CONNECT «I2_PMD_ABY153»
Connector size «I2_PMD_ABY155_001_000»	0.5 / M17 «I2_PMD_ABY155»
Type of bolting «I2_MC_Anzahl_Biegungen_max»	not relevant «I2_PMD_ABY155»
Type of connection cable converter side «I2_PMD_ACB333_001_000»	Connector for SINAMICS S120 Booksize MoMo, C/D types «I2_PMD_ABY155»
Maximum cable outer diameter «I2_PMD_ACB334_001_000»	8.4 mm
Length «I2_MC_Torsionsbelastung»	25.0 m
Weight (without connector) «I2_ENC_anschlussstyp»	3.0 kg
<b>Static deployment</b> «I2_ENC_anschlussstyp»	
Smallest bending radius (fixed installation) «I2_ENC_anschlussstyp»	21.0 mm
Tensile load for permanently installed cable, max. «I2_ENC_anschlussstyp»	50 N/mm <sup>2</sup> (7252 lbf/in <sup>2</sup> )
Torsional stress «I2_ENC_anschlussstyp»	Absolute 30 <sup>o</sup> /m «I2_PMD_ABY153»
<b>Dynamic deployment</b> «I2_ENC_anschlussstyp»	
Smallest bending radius(flexible installation in a cable carriers) «I2_ENC_anschlussstyp»	155.0 mm
Acceleration horizontal, max «I2_ENC_anschlussstyp»	2.0 m/s <sup>2</sup>
Maximum traversing velocity «I2_ENC_anschlussstyp»	30.0 m/min
Travel path «I2_ENC_anschlussstyp»	5 m
Number of bends, max. «I2_ENC_anschlussstyp»	100,000
Tensile load for moving cable, max. «I2_ENC_anschlussstyp»	20 N/mm <sup>2</sup> (2901 lbf/in <sup>2</sup> )

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### Technical data

«I2\_technicaldata»

#### Ambient temperature

«I2\_h\_umgebung\_umgebungtemp»

Operation with permanently installed cable

«I2\_MC\_Betrieb\_feste\_Leitung»

-20.0 ... 80.0 °C

Module-end power connector 0 ... 55°C

«I2\_PMD\_ABY148»

Operation with moving cable

«I2\_MC\_Betrieb\_feste\_Leitung»

0.0 ... 60.0 °C

Module-end power connector 0 ... 55°C

«I2\_PMD\_ABY148»

Storage

«I2\_MC\_Betrieb\_feste\_Leitung»

-20.0 ... 80.0 °C

Module-end power connector -20 ... 70°C

«I2\_PMD\_ABY148»

Kind of connection cable

«I2\_MC\_Art\_Leitung»

Basis cable

«I2\_PMD\_ABY148»

Material of the cable sheath

«I2\_MC\_Material\_Kabelmantel»

PVC DESINA color orange RAL 2003

«I2\_PMD\_AAC618»

Type of insulation

«I2\_MC\_Art\_Isolierung»

CFC/silicone-free

«I2\_UI\_AAB047»

Standard for behavior in fire: flame resistance

«I2\_MC\_Norm\_Brandverhalten\_Flammwidrigkei»

EN 60332-1-1 to 1-3

«I2\_PMD\_ABT887»

Oil resistance

«I2\_MC\_Oelbestaendigkeit\_Kabel»

EN 60811-2-1 (mineral oil only)

«I2\_PMD\_ACB330»

Verification of suitability as authorisation for USA

«I2\_MC\_Eignungsnachweis\_CE»

UL758

Verification of suitability as authorisation for Canada

«I2\_MC\_Eignungsnachweis\_UL»

CSA-C22.2-N.210.2-M90

## MOTION CONNECT 500

### MLFB-Ordering data

6FX5002-5CN27-1CF0



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>	4x1.5 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 SPEED-CONNECT
Connector size	0.5 / M17
Type of bolting	not relevant
Type of connection cable converter side	Connector for SINAMICS S120 Booksize MoMo, C/D types
Maximum cable outer diameter	8.4 mm
Length	25.0 m
Weight (without connector)	3.0 kg

### Static deployment

Smallest bending radius (fixed installation)	21.0 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)	155.0 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

MLFB-Ordering data

6FX5002-5CN27-1CF0

## 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	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