

## MOTION CONNECT 800PLUS

Article No. : 6FX8002-7HY11-1AK0



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>	3x4 + 2x2.5 + 4x0.34 C
Test voltage, rms Power conductors	4.0 kV
Test voltage, rms Signal conductors	4.0 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	S120M connector, Non-drive end (NDE) outlet direction
Connector size	S120M connector
Type of bolting	not relevant
Type of connection cable converter side	S120M connector, Drive end (DE) outlet direction
Maximum cable outer diameter	15.0 mm
Length	9.0 m
Weight (without connector)	3.15 kg

### Static deployment

Smallest bending radius (fixed installation)	60.0 mm
Tensile stress, max. Fixed installation	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)	112.5 mm
Acceleration horizontal, max	50 m/s <sup>2</sup>
Maximum traversing velocity	300 m/min
Travel path	50 m
Number of bends, max.	10,000,000
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	-50 ... 80 °C
	Module-end power connector 0 ... 55°C, Motor-end power connector -20 ... 80°C
Operation with moving cable	-20 ... 60 °C
	Module-end power connector 0 ... 55°C
Storage	-20 ... 80 °C
	Module-end power connector -20 ... 70°C, Motor-end power connector -20 ... 80°C

Kind of connection cable	Hybrid cable for S120M
Material of the cable sheath	PUR DESINA color orange RAL 2003
Type of insulation	CFC/halogen/silicone-free
Standard for behavior in fire: flame resistance	EN 60332-1-1 to 1-3
Oil resistance	EN 60811-2-1
Verification of suitability as authorisation for USA	UL 758
Verification of suitability as authorisation for Canada	CSA-C22.2-N.210.2-M90