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Figure similar

MOTION CONNECT 800PLUS

MLFB-Ordering data 6FX8002-5DQ48-1BG0

Client order no. :	Item no. :
Order no. :	Consignment no. :
Offer no. :	Project :
Remarks :	

Electrical data	
No. of cores x cross-section mm²	4x4 + 2x1.5C C
Test voltage, rms Power conductors	4.0 kV
Test voltage, rms Signal conductors	2.0 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	Conector SPEED-CONNECT
Connector size	1.5 / M40
Type of bolting	not relevant
Type of connection cable converter side	Coupling SPEED-CONNECT
Maximum cable outer diameter	15.2 mm
Length	16.0 m
Weight (without connector)	6.08 kg

Static deployment

Smallest bending radius (fixed installation)	45.6 mm
Tensile stress, max. Fixed installation	50 N/mm² (7252 lbf/in²)
Torsional stress	Absolute 30°/m

Dynamic deployment

Smallest bending radius(flexible installation in a cable carriers)	115.0 mm
Acceleration horizontal, max	50 m/s²
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/mm² (2901 lbf/in²)

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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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		Extension
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

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