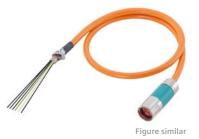


## **MOTION CONNECT 800PLUS**

## **MLFB-Ordering data**

6FX8002-5CG01-1BF0



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

ltem 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 full thread	
Connector size	1 / M23	
Type of bolting	not relevant	
Type of connection cable converter side	Open end of lead	
Maximum cable outer diameter	9.5 mm	
Length	15.0 m	
Weight (without connector)	2.25 kg	
Static deployment		
Smallest bending radius (fixed installation)	38.0 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)	75.0 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)	





6FX8002-5CG01-1BF0



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	Basis cable	
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	