SIEMENS

MOTION CONNECT 800PLUS

Article No. : **6FX8002-2CQ31-1CA0**



Figure similar

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

Item no. :
Consignment no. :
Project :

Electrical data	
Design of the sensor	Incremental encoder sin/cos 1 Vpp 2048 pulses/rev with C and D track
Test voltage, rms Signal conductors	500 V
Rated voltage U0/U in accordance with EN 50395 Power conductors	30 V

Mechanical data	
Type of connection cable engine side	M23 SPEED-CONNECT
Type of connection cable converter side	SPEED-Connect
Maximum cable outer diameter	9.8 mm
Smallest bending radius (fixed installation)	4 x Dmax
Smallest bending radius (flexible installation)	70 mm
Number of bends, max.	10,000,000
Maximum traversing velocity	300 m/min
Acceleration horizontal, max	50 m/s²
Tensile stress, max. Fixed installation	50 N/mm²
Tensile stress, max. Flexible installation	20 N/mm²
Torsional stress	Absolute 30°/m
Length	20.0 m

Technical data	
Ambient temperature	
Operation with permanently installed cable	-50 ... 80 °C Module-end power connector -40°C ... 80°C, Motor-end power connector -20 ... 80°C
Operation with moving cable	-20 ... 60 °C
Storage	-20 ... 80 °C Module-end power connector -40°C ... 80°C, Motor-end power connector -20 ... 80°C
Kind of connection cable	Basis cable
Material of the cable sheath	PUR, HD22.10 S2 (VDE 0282, part 10) DESINA-color green RAL 6018
Type of insulation	without CFC and silicone IEC 60754-1/DIN VDE 0472-815
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	UL758, cURus with AWM-Style
Verification of suitability as authorisation for Canada	CSA-C22.2-N.210.2-M90