

MOTION CONNECT 800PLUS

MLFB-Ordering data

6FX8002-2CA31-1HA0



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 full thread
--------------------------------------	-----------------

Type of connection cable converter side	SUB-D
---	-------

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/s ²
------------------------------	---------------------

Tensile stress, max. Fixed installation	50 N/mm ²
---	----------------------

Tensile stress, max. Flexible installation	20 N/mm ²
--	----------------------

Torsional stress	Absolute 30°/m
------------------	----------------

Length	70.0 m
--------	--------



Figure similar

MLFB-Ordering data

6FX8002-2CA31-1HA0

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