

MOTION CONNECT 500

MLFB-Ordering data

6FX5002-2AH00-1GA0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

Design of the sensor	Incremental encoder HTL
----------------------	-------------------------

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	Open end of lead
---	------------------

Maximum cable outer diameter	9.3 mm
------------------------------	--------

Smallest bending radius (fixed installation)	60 mm
--	-------

Smallest bending radius (flexible installation)	100 mm
---	--------

Number of bends, max.	2,000,000
-----------------------	-----------

Maximum traversing velocity	180 m/min
-----------------------------	-----------

Acceleration horizontal, max	5 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	60.0 m
--------	--------



Figure similar

MLFB-Ordering data

6FX5002-2AH00-1GA0

Technical data

Ambient temperature

Operation with permanently installed cable	-20 ... 80 °C
Operation with moving cable	0 ... 60 °C
Storage	-20 ... 80 °C
Kind of connection cable	Basis cable
Material of the cable sheath	PVC DESINA-Color green RAL 6018
Type of insulation	Without CFC and silicone
Standard for behavior in fire: flame resistance	EN 60332-1-1 to 1-3
Oil resistance	EN 60811-2-1 (mineral oil only)
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