SIEMENS

MOTION CONNECT 500

Article No. : **6FX5002-2CA31-1CF0**



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)	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/s²
Tensile stress, max. Fixed installation	50 N/mm²
Tensile stress, max. Flexible installation	20 N/mm²
Torsional stress	Absolute 30°/m
Length	25.0 m

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