SIEMENS

## MOTION CONNECT 500



Figure similar

**MLFB-Ordering data** **6FX5002-2AH00-1BA0**

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/s² |
| Tensile stress, max. Fixed installation | 50 N/mm² |
| Tensile stress, max. Flexible installation | 20 N/mm² |
| Torsional stress | Absolute 30°/m |
| Length | 10.0 m |

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Figure similar

## 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 |