SIEMENS

## MOTION CONNECT 800PLUS

**Article No. :** **6FX8002-2CA31-1BG8**



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/s² |
| Tensile stress, max. Fixed installation | 50 N/mm² |
| Tensile stress, max. Flexible installation | 20 N/mm² |
| Torsional stress | Absolute 30°/m |
| Length | 16.8 m |

| Technical data | |
|---|---|
| **Ambient temperature** | |
| Operation with permanently installed cable | -50 ... 80 °C<br>Module-end power connector -40°C ... 80°C,<br>Motor-end power connector -20 ... 80°C |
| Operation with moving cable | -20 ... 60 °C |
| Storage | -20 ... 80 °C<br>Module-end power connector -40°C ... 80°C,<br>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 |

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens