

Data sheet for MOTION CONNECT 350 / 380



Figure similar

Article No. : 6FX3802-7CN01-1CA0

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

| Electrical data                                                 |                                    |
|-----------------------------------------------------------------|------------------------------------|
| No. of cores x cross-section mm²                                | 4 x 0.75 / 2 x 2 x 0.25 + 2 x 0.38 |
| Test voltage, rms Power conductors                              | Power: 4.0 kV Encoder: 500V        |
| Holding brake                                                   | No                                 |
| Rated voltage U0/U in accordance with EN 50395 Power conductors | 1000 V/30 V                        |

| Mechanical data                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Smallest bending radius (fixed installation)    | 4 × Cable outer diameter            |
| Smallest bending radius (flexible installation) | 7.5 × Cable outer diameter          |
| Number of bends, max.                           | 5,000,000                           |
| Tensile stress, max. Fixed installation         | 50 N/mm² (7252 lbf/in²)             |
| Tensile stress, max. Flexible installation      | 20 N/mm² (2901 lbf/in²)             |
| Torsional stress                                | Absolute 30°/m                      |
| Connection type                                 | Hybrid connector (Cable outlet NDE) |
| Length                                          | 20.0 m                              |
| Weight (without connector)                      | 1.7 kg                              |

| Technical data                                  |                                 |
|-------------------------------------------------|---------------------------------|
| Ambient temperature                             |                                 |
| Operation with permanently installed cable      | -20 ... 80.0 °C                 |
| Kind of connection cable                        | Dual cable connection           |
| Material of the cable sheath                    | PUR                             |
| Type of insulation                              | CFC/silicone-free               |
| 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, CE marking         | Yes                             |
| Verification of suitability, UL approval        | Yes                             |
| Verification of suitability, RoHS conformity    | Yes                             |