

**MOTION CONNECT 700**
**MLFB-Ordering data**
**6FX7002-5EA78-1BG0**


Figure similar

Client order no. / :

Order no. / :

Offer no. / :

Remarks / :

Item no. / :

Consignment no. / :

Project / :

**General data :**

|                       |                          |
|-----------------------|--------------------------|
| Components :          | power cable preassembled |
| Cable / installation: | 4X16+(4X0,5)C            |
| Cable outer diameter: | 26.1 mm                  |
| Weight:               | 16.600 kg                |
| Length:               | 16.0 m                   |
| Degree of protection: | IP67                     |
| Connector size:       | 1.5                      |

**Mechanical Data :**

|                                                  |                        |
|--------------------------------------------------|------------------------|
| Maximum / fixed installation:                    | 50.0 N/mm <sup>2</sup> |
| Maximum / moved:                                 | 20.0 N/mm <sup>2</sup> |
| Bending radius / min. / fixed installation:      | 104.4 mm               |
| Bending radius / min. / moved:                   | 185.0 mm               |
| Stress / torsion:                                | 30.0 °/m               |
| Bends / 1.5 to 6 mm <sup>2</sup> :               | 10000000               |
| Bends / 10 to 50 mm <sup>2</sup> :               |                        |
| Traversing velocity / 1.5 to 6 mm <sup>2</sup> : | 200.0 m/min            |
| Traversing velocity / 10 to 50 mm <sup>2</sup> : | 200.0 m/min            |
| Acceleration:                                    | 30.0 m/s <sup>2</sup>  |

**Licences :**

|                   |     |
|-------------------|-----|
| Licence / VDE:    | Yes |
| Licence / UL/CSA: | Yes |

**Electrical Data DIN VDE 0472 :**

|                                 |          |
|---------------------------------|----------|
| Supply lines / VDE:             | 600.0 V  |
| Supply lines / UL/CSA:          | 1000.0 V |
| Signal lines / VDE:             | 24.0 V   |
| Signal lines / UL/CSA:          | 1000.0 V |
| Rated voltage Un / signal line: | 30.0 V   |
| Power cable / supply lines:     | 4 kV     |
| Power cable / signal lines:     | 2 kV     |
| Signal line:                    | 500 V    |

**Chemical Data :**

|                             |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| Insulation material:        | CFC/halogen/silicone-free IEC 60754-1/ DIN VDE 0472-815          |
| Resistance to oil:          | EN 60811-2-1                                                     |
| Flame-retardant:            | EN 60332-1-1 to 1-3                                              |
| Outer shield / power cable: | PUR, HD22.10 S2 (VDE 0282, Part 10) DESINA color orange RAL 2003 |
| Outer shield / signal line: | PUR, HD22.10 S2 (VDE 0282, Part 10) DESINA color green RAL 6018  |

**Operating Temperature :**

|                            |          |
|----------------------------|----------|
| Fixed installation / min.: | -50.0 °C |
| Fixed installation / max.: | 80.0 °C  |
| Moved / min.:              | -20.0 °C |
| Moved / max.:              | 60.0 °C  |

**Special design :**