

## MOTION CONNECT 700

### MLFB-Ordering data

6FX7002-5LM42-1AB7



Client order no. / :

Order no. / :

Offer no. / :

Remarks / :

Item no. / :

Consignment no. / :

Project / :

### General data :

|                       |                          |
|-----------------------|--------------------------|
| Components :          | power cable preassembled |
| Cable / installation: | 4X2,5C                   |
| Cable outer diameter: | 12.1 mm                  |
| Weight:               | 0.520 kg                 |
| Length:               | 1.7 m                    |
| Degree of protection: | IP67                     |
| Connector size:       | 1.0                      |

### Licences :

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

### Mechanical Data :

|                                             |             |
|---------------------------------------------|-------------|
| Maximum / fixed installation:               | 50.0 N/mm²  |
| Maximum / moved:                            | 20.0 N/mm²  |
| Bending radius / min. / fixed installation: | 48.4 mm     |
| Bending radius / min. / moved:              | 90.0 mm     |
| Stress / torsion:                           | 30.0 °/m    |
| Bends / 1.5 to 6 mm2:                       | 10000000    |
| Bends / 10 to 50 mm2:                       |             |
| Traversing velocity / 1.5 to 6 mm2:         | 200.0 m/min |
| Traversing velocity / 10 to 50 mm2:         | 200.0 m/min |
| Acceleration:                               | 30.0 m/s²   |

### 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    |

### Operating Temperature :

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

### 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  |

### Special design :