

# Motor cable NEBM-M40G15-EH- -Q12N-R3LEG14

Part number: 5251401

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                              | Value                                                                                                                   |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Based on standard                                    | EN 61984                                                                                                                |
| Cable designation                                    | Without inscription label holder                                                                                        |
| Electrical connection 1, function                    | Field device side                                                                                                       |
| Electrical connection 1, design                      | Round                                                                                                                   |
| Electrical connection 1, connection type             | Hybrid socket                                                                                                           |
| Electrical connection 1, cable outlet                | Straight                                                                                                                |
| Electrical connection 1, connector system            | M40x1                                                                                                                   |
| Electrical connection 1, number of connections/cores | 15                                                                                                                      |
| Electrical connection 1, used connections/cores      | 12                                                                                                                      |
| Electrical connection 1, type of mounting            | Snap-locking                                                                                                            |
| Electrical connection 1, connection pattern          | 00997393                                                                                                                |
| Electrical connection 2, function                    | Controller side                                                                                                         |
| Electrical connection 2, connection type             | Plugs and cables                                                                                                        |
| Electrical connection 2, cable outlet                | Straight                                                                                                                |
| Electrical connection 2, connector system            | RJ45 and open end                                                                                                       |
| Electrical connection 2, number of connections/cores | 14                                                                                                                      |
| Electrical connection 2, used connections/cores      | 12                                                                                                                      |
| Operational voltage range DC                         | 0 V ... 850 V                                                                                                           |
| Operational voltage range AC                         | 0 V ... 630 V                                                                                                           |
| Current rating at 40° C                              | 40 A                                                                                                                    |
| Immunity to surge                                    | 6 kV                                                                                                                    |
| Cable length                                         | 0.5 m ... 100 m                                                                                                         |
| Cable characteristic                                 | Suitable for energy chains                                                                                              |
| Test conditions cable                                | Test conditions on request                                                                                              |
| Bending radius, fixed cable                          | 74.8 mm                                                                                                                 |
| Bending radius, moving cable                         | 140.25 mm                                                                                                               |
| Cable diameter                                       | 18.7 mm                                                                                                                 |
| Cable diameter tolerance                             | ± 0.3 mm                                                                                                                |
| Cable structure                                      | 4 x 6 mm <sup>2</sup> + 1 x (2 x 1.5 mm <sup>2</sup> ) + 1 x (2 x 0.24 mm <sup>2</sup> + 2 x 2 x 0.15 mm <sup>2</sup> ) |
| Wire ends                                            | Wire ferrule                                                                                                            |
| Degree of protection                                 | IP67                                                                                                                    |
| Note on degree of protection                         | Depending on connection block                                                                                           |
| Ambient temperature                                  | -40 °C ... 90 °C                                                                                                        |
| Ambient temperature with moving cable                | -25 °C ... 80 °C                                                                                                        |
| CE mark (see declaration of conformity)              | To EU Low Voltage Directive                                                                                             |

| Feature                                      | Value                                                                 |
|----------------------------------------------|-----------------------------------------------------------------------|
| UKCA marking (see declaration of conformity) | To UK RoHS instructions<br>To UK regulations for electrical equipment |
| LABS (PWIS) conformity                       | VDMA24364-B2-L                                                        |
| Note on materials                            | RoHS-compliant<br>Free of halogen                                     |
| Pollution degree                             | 3                                                                     |
| Corrosion resistance class CRC               | 1 - Low corrosion stress                                              |
| Material cable sheath                        | PUR                                                                   |
| Cable sheath colour                          | Grey                                                                  |
| Material insulating sheath                   | PP                                                                    |