

# Encoder cable NEBM-REG6-E-15-Q14N-REG6

Part number: 8097200

FESTO



 General operating condition

## Data sheet

| Feature                                              | Value                                                |
|------------------------------------------------------|------------------------------------------------------|
| Cable designation                                    | Without inscription label holder                     |
| Electrical connection 1, function                    | Field device side                                    |
| Electrical connection 1, design                      | Angular                                              |
| Electrical connection 1, connection type             | Socket                                               |
| Electrical connection 1, cable outlet                | Straight                                             |
| Electrical connection 1, connector system            | Connection pattern RE                                |
| Electrical connection 1, number of connections/cores | 6                                                    |
| Electrical connection 1, used connections/cores      | 6                                                    |
| Electrical connection 1, connection pattern          | 00995793                                             |
| Electrical connection 2, function                    | Controller side                                      |
| Electrical connection 2, design                      | Angular                                              |
| Electrical connection 2, connection type             | Plugs                                                |
| Electrical connection 2, cable outlet                | Straight                                             |
| Electrical connection 2, connector system            | Connection pattern RE                                |
| Electrical connection 2, number of connections/cores | 6                                                    |
| Electrical connection 2, used connections/cores      | 6                                                    |
| Electrical connection 2, connection pattern          | 00995792                                             |
| Operational voltage range DC                         | 0 V ... 30 V                                         |
| Operational voltage range AC                         | 0 V ... 30 V                                         |
| Current rating at 40° C                              | 1.6 A                                                |
| Immunity to surge                                    | 2 kV                                                 |
| Cable length                                         | 15 m                                                 |
| Cable characteristic                                 | Suitable for energy chains                           |
| Test conditions cable                                | Test conditions on request                           |
| Bending radius, fixed cable                          | ≥55 mm                                               |
| Bending radius, moving cable                         | ≥55 mm                                               |
| Cable diameter                                       | 7.4 mm                                               |
| Cable structure                                      | 2 x 0.51 mm <sup>2</sup> + 4 x 0.205 mm <sup>2</sup> |
| Nominal cross section conductor                      | 0.51 mm <sup>2</sup>                                 |
| Conductor nominal cross section                      | AWG20<br>AWG24                                       |
| Degree of protection                                 | IP20                                                 |
| Note on degree of protection                         | In assembled state                                   |
| Ambient temperature                                  | -40 °C ... 80 °C                                     |
| Ambient temperature with moving cable                | -10 °C ... 80 °C                                     |
| CE mark (see declaration of conformity)              | In accordance with EU RoHS Directive                 |

| Feature                                      | Value                   |
|----------------------------------------------|-------------------------|
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| LABS (PWIS) conformity                       | VDMA24364 zone III      |
| Note on materials                            | RoHS-compliant          |
| Pollution degree                             | 3                       |
| Corrosion resistance class CRC               | 0 - No corrosion stress |
| Material cable sheath                        | PVC                     |
| Cable sheath colour                          | Black                   |
| Material housing                             | PVC                     |
| Housing colour                               | grey                    |
| Material insulating sheath                   | PVC                     |