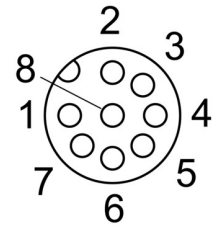
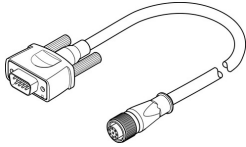


# Encoder cable NEBM-M12G8-E-20-S1G9

Part number: 5105625

FESTO



## Data sheet

| Feature                                               | Value                                    |
|-------------------------------------------------------|------------------------------------------|
| Type code                                             | NEBM                                     |
| Cable designation                                     | Without label holder                     |
| Electrical connection 1, function                     | Field device end                         |
| Electrical connection 1, design                       | Round                                    |
| Electrical connection 1, connection type              | Socket                                   |
| Electrical connection 1, cable outlet                 | Straight                                 |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101      |
| Electrical connection 1, number of pins/wires         | 8                                        |
| Electrical connection 1, occupied pins/wires          | 8                                        |
| Electrical connection for input 1, connection pattern | 00992265                                 |
| Electrical connection 2, function                     | Control side                             |
| Electrical connection 2, design                       | Rectangular                              |
| Electrical connection 2, connection type              | Plug                                     |
| Electrical connection 2, cable outlet                 | Straight                                 |
| Electrical connection 2, connection technology        | Sub-D                                    |
| Electrical connection 2, number of pins/wires         | 9                                        |
| Electrical connection 2, occupied pins/wires          | 8                                        |
| Electrical connection 2, connection pattern           | 00995639                                 |
| DC operating voltage range                            | 0 V ... 30 V                             |
| Nominal operating voltage DC                          | 24 V                                     |
| Operating voltage range AC                            | 0 V ... 30 V                             |
| Nominal operating voltage AC                          | 24 V                                     |
| Cable length                                          | 20 m                                     |
| Cable characteristic                                  | Suitable for energy chains               |
| Bending radius, flexible cable installation           | ≥49 mm                                   |
| Cable diameter                                        | 6.5 mm                                   |
| Cable design                                          | 4 x 2 x 0.14 mm <sup>2</sup><br>Shielded |
| Nominal conductor cross section                       | 0.14 mm <sup>2</sup>                     |
| Degree of protection                                  | IP65                                     |
| Note on degree of protection                          | IP30 for Sub-D plug<br>In mounted state  |
| Ambient temperature                                   | -40 °C ... 70 °C                         |
| Ambient temperature with flexible cable installation  | -40 °C ... 70 °C                         |

| Feature                                    | Value                    |
|--------------------------------------------|--------------------------|
| CE marking (see declaration of conformity) | As per EU RoHS directive |
| Note on materials                          | RoHS-compliant           |
| Material of cable sheath                   | TPE-U(PUR)               |
| Color cable sheath                         | Gray                     |