

# Product data sheet

## Miniature connectors

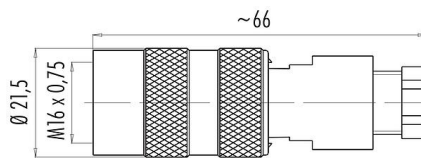


|                     |   |
|---------------------|---|
| Product description | M16 IP67 Female cable connector, Contacts: 16, 4.0-6.0 mm, unshielded, solder, IP67 |
| Area                | M16 IP67 series 723   |
| Part no.            | 09 0506 25 16   |

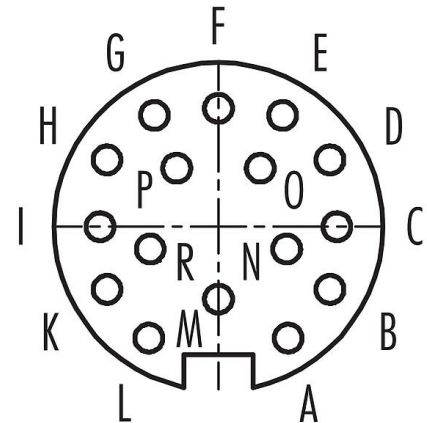
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

## Technical data

### General features

|                           |                               |
|---------------------------|-------------------------------|
| Part no.                  | 09 0506 25 16                 |
| Connector design          | Female cable connector        |
| Version                   | Connector socket straight     |
| Connector locking system  | screw                         |
| Termination               | solder                        |
| Degree of protection      | IP67                          |
| Cross-sectional area      | 0.25 mm <sup>2</sup> / AWG 24 |
| Cable outlet              | 4.0-6.0 mm                    |
| Temperature range from/to | -40 °C / 95 °C                |
| Mechanical operation      | > 500 Mating cycles           |
| Weight (g)                | 41.07                         |
| Customs tariff number     | 85369010                      |

### Electrical parameters

|                           |                      |
|---------------------------|----------------------|
| Rated voltage             | 60 V                 |
| Rated impulse voltage     | 500 V                |
| Rated current (40 °C)     | 3,0 A                |
| Insulation resistance     | ≥ 10 <sup>10</sup> Ω |
| Pollution degree          | 1                    |
| Overvoltage category      | I                    |
| Insulating material group | III                  |
| EMC compliance            | unshielded           |



## Product data sheet

# Miniature connectors



|                     |  |
|---------------------|--|
| Product description | <b>M16 IP67 Female cable connector, Contacts: 16, 4.0-6.0 mm, unshielded, solder, IP67</b> |
| -                   | -  |
| Area                | <b>M16 IP67 series 723</b>   |
| Part no.            | <b>09 0506 25 16</b>   |

### General Disclaim Notice

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).