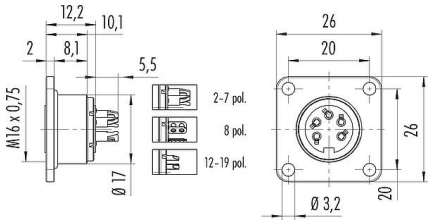
# Product data sheet
## Miniature connectors

| | |
|---|---|
| Product description | **M16 Square female panel mount connector, Contacts: 16, unshielded, solder, IP67, UL 2238, M3 (4x), Front mounting** |
| Area | **M16 IP67** |
| Series | **723** |
| Part no. | **09 0508 300 16** |

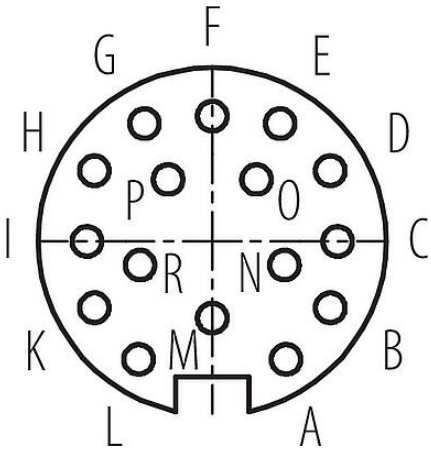
### Illustration (may vary)



### Scale drawing




### Contact arrangement (Plug-in side)




**You can find the assembly instructions on the next page.**

## Technical data

### General features

| | |
|---|---|
| Part no. | 09 0508 300 16 |
| Connector design | Square female panel mount connector |
| Version | Connector socket straight |
| Connector locking system | screw |
| Termination | solder |
| Degree of protection | IP67 |
| Connection cross-section | 0.25 mm² / AWG 24 |
| Temperature range from/to | -40 °C / 95 °C |
| Mechanical operation | > 500 Mating cycles |
| Weight (g) | 10.08 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

### Electrical parameters

| | |
|---|---|
| Rated voltage | 60 V |
| Rated impulse voltage | 500 V |
| Rated current | 3,0 A |
| Insulation resistance | ≥ $10^{10}$ Ω |
| Pollution degree | 1 |
| Overvoltage category | I |
| Insulating material group | III |

**Product data sheet**

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| | |
|---|---|
| EMC compliance | unshielded |

## Material

| | |
|---|---|
| Housing material | Zinc die-cast nickel-plated |
| Contact body material | PBT (UL94 V-0) |
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Locking material | Zinc die-cast nickel-plated |
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | aaff13b6-0d0e-4aeb-b35d-6358ac0f9475 |

## Authorization/approvals

| | |
|---|---|
| Approvals | UL 2238 |

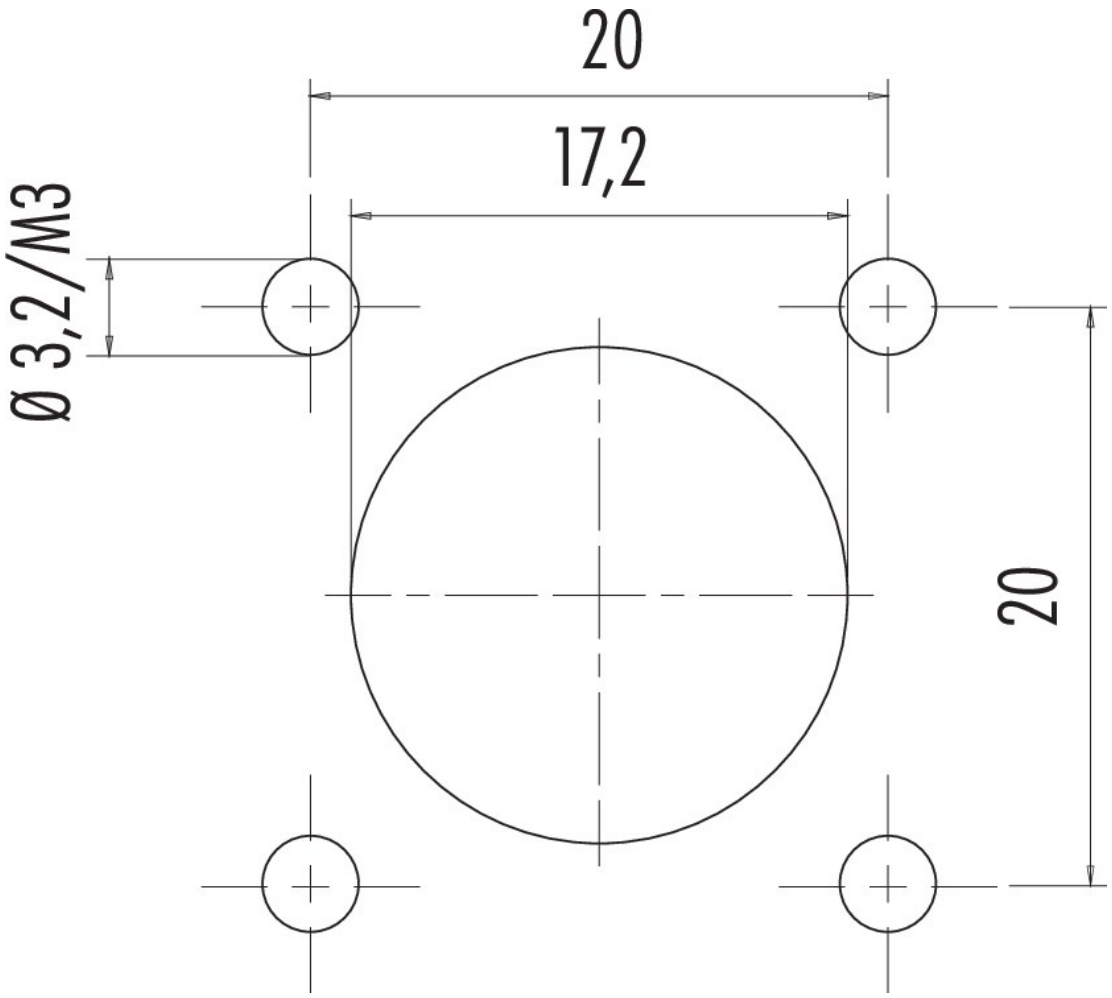
## Classifications

| | |
|---|---|
| eCl@ss 11.1 | 27-44-01-09 |
| ETIM 9.0 | EC003569 |

**Product data sheet**
# Miniature connectors

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## Assembly instructions / Panel cut-out



**Product data sheet**
# Miniature connectors

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| Area | **M16 IP67** |
| Series | **723** |
| Part no. | **09 0508 300 16** |

## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

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.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).