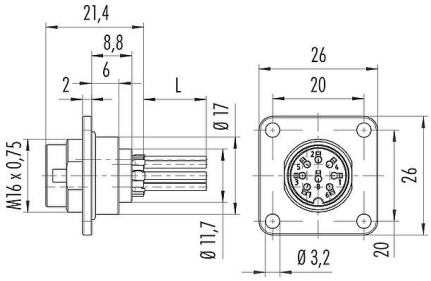
# Product data sheet
## Miniature connectors

| | |
|---|---|
| Product description | **M16 Male panel mount connector, Contacts: 7 (07-a), unshielded, single wires, IP67, UL 2238, M18x0,75, Front mounting** |
| Area | **M16 IP67** |
| Series | **723** |
| Part no. | **09 0127 320 07** |

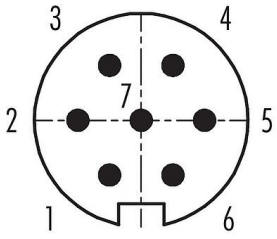
### Illustration (may vary)



### Scale drawing




### Contact arrangement (Plug-in side)




1 white
2 brown
3 green
4 yellow
5 grey
6 pink
7 blue

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

## Technical data

### General features

| | |
|---|---|
| Part no. | 09 0127 320 07 |
| Connector design | Male panel mount connector |
| Type standard | DIN EN 61076-2-106 |
| Wire length | 0.2 m (Standard 0.2 m. Other lengths are available on request). |
| Version | Connector pin straight |
| Connector locking system | screw |
| Termination | single wires |
| Degree of protection | IP67 |
| Connection cross-section | AWG 22 |
| Temperature range from/to | -30 °C / 85 °C |
| Mechanical operation | > 500 Mating cycles |
| Weight (g) | 22.01 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

### Electrical parameters

| | |
|---|---|
| Rated voltage | 100 V |
| Rated impulse voltage | 1200 V |
| Rated current | 5.0 A |
| Insulation resistance | ≥ $10^{1^{0}}$ Ω |
| Pollution degree | 1 |
| Insulating material group | II |
| EMC compliance | unshielded |

**Product data sheet**

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## Material

| | |
|---|---|
| Housing material | Zinc die-cast nickel-plated |
| Contact body material | PBT (UL94 V-0) |
| Contact material | CuSn (bronze) |
| Contact plating | Ag (silver) |
| REACH SVHC | None (No pollutants) |
| SCIP number | SCIP-number not available |

## Wire Data - Structure of the wire

| | |
|---|---|
| Cross section (mm²) | 7 x 0.34 mm² |
| Cross section (AWG) | 7 x AWG 22 |
| Wire diameter | 1,65 mm |
| Wire colors | brown<br>white<br>blue<br>green<br>yellow<br>grey<br>pink |
| Sheath material | PVC |
| Wire material | Cu (tinned) |
| Wire structure | 7 x 0.254 mm |

## Wire Data - Electrical properties

| | |
|---|---|
| Rated voltage | 300 V |
| Rated impulse voltage | 3000 V |
| Insulation resistance | 20.0 MΩ/Km (20 °C) |

## Wire Data - Thermal properties

| | |
|---|---|
| Temperature range wire in move from / to (°C) | -10 °C / 105 °C |
| Temperature range wire fixed from / to (°C) | -40 °C / 105 °C |

## Authorization/approvals

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

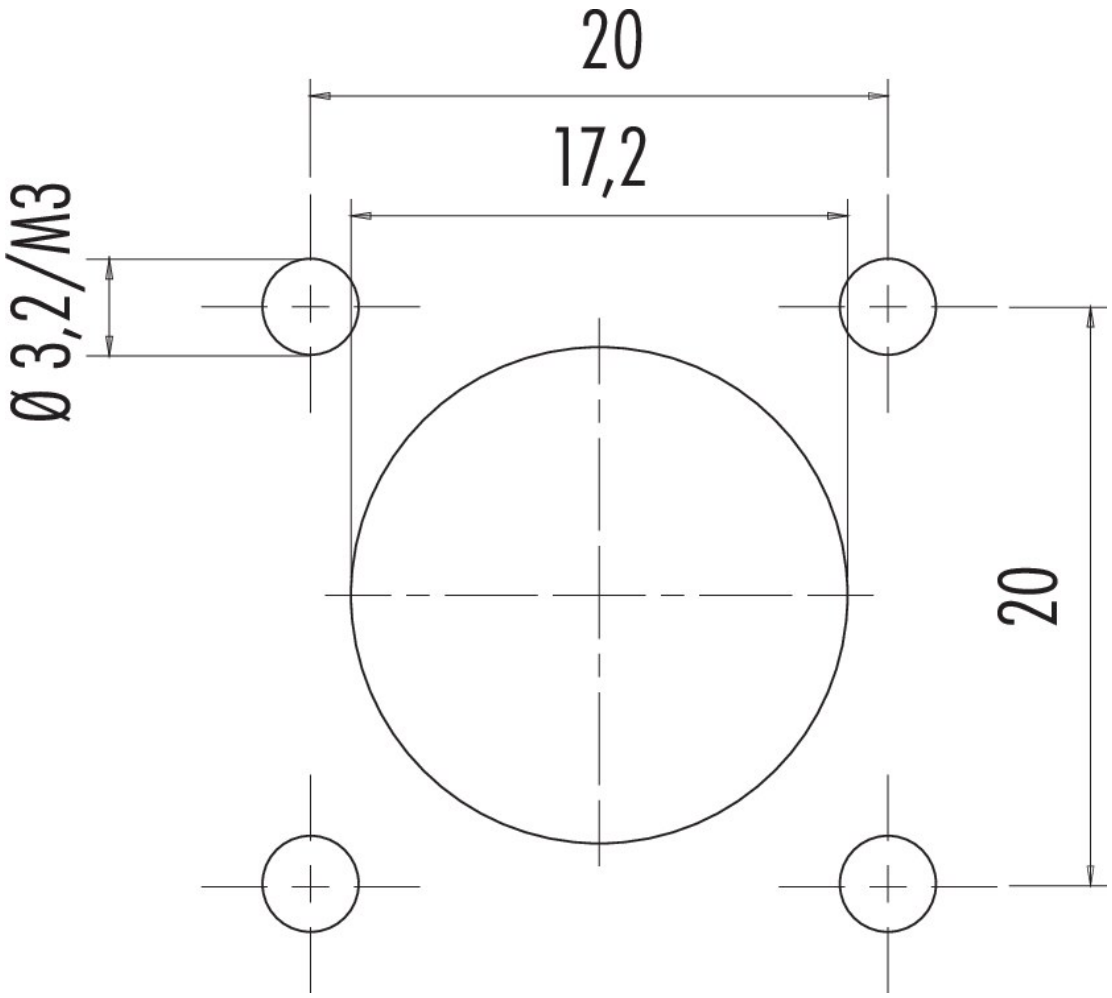
## Classifications

| | |
|---|---|
| ETIM 9.0 | EC003569 |

**Product data sheet**
# Miniature connectors

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| Part no. | **09 0127 320 07** |

## Assembly instructions / Panel cut-out



**Product data sheet**
# Miniature connectors

| | |
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| Area | **M16 IP67** |
| Series | **723** |
| Part no. | **09 0127 320 07** |

## 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).