**Product data sheet**

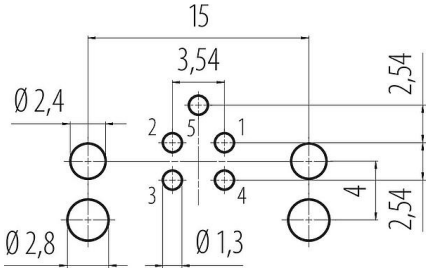
# Automation technology - Sensors and actuators

| | |
|---|---|
| Product description | **M12 Male angled panel mount connector, Contacts: 5, unshielded, THR, IP68, UL 2238, Rear mounting, for PCB assembly** |
| Area | **M12-A** |
| Coding | **A-coded** |
| Series | **763** |
| Part no. | **99 3441 202 05** |

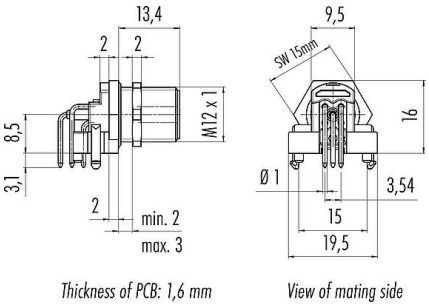
## Illustration (may vary)



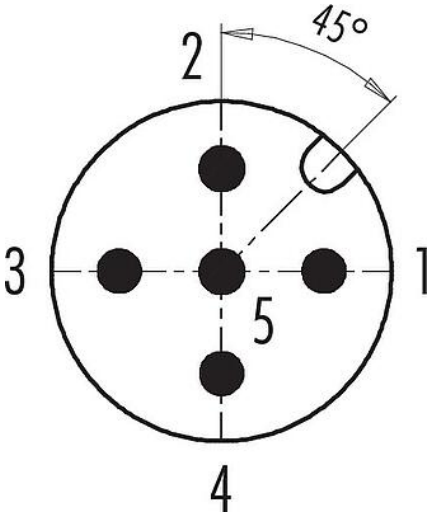
## Conductor layout




## Scale drawing




## Contact arrangement (Plug-in side)




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

## Technical data

### General features

| | |
|---|---|
| Part no. | 99 3441 202 05 |
| Connector design | Male angled panel mount connector |
| Type standard | DIN EN 61076-2-101 |
| Coding | A-coded |
| Version | Connector pin angled |

**Product data sheet**

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| | |
|---|---|
| Connector locking system | screw |
| Termination | THR |
| Degree of protection | IP68 |
| Temperature range from/to | -40 °C / 85 °C |
| Mechanical operation | > 100 Mating cycles |
| Weight (g) | 8.45 |
| Customs tariff number | 85369010 |
| Country of Origin | HU |

## Electrical parameters

| | |
|---|---|
| Rated voltage | 60 V |
| Rated impulse voltage | 1500 V |
| Rated current | 4 A (3 A UL) |
| Insulation resistance | > $10^{8}$ Ω |
| Pollution degree | 3 |
| Insulating material group | III |
| EMC compliance | unshielded |

## Material

| | |
|---|---|
| Housing material | CuZn (Brass nickel plated) |
| Contact body material | PA |
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Locking material | CuZn (brass) |
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | a4834bdf-f415-4957-9917-5a370eaee026 |

## Authorization/approvals

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

## Trade-Compliance

| | |
|---|---|
| Copper (9903.78.01) | 0.002100 kg |

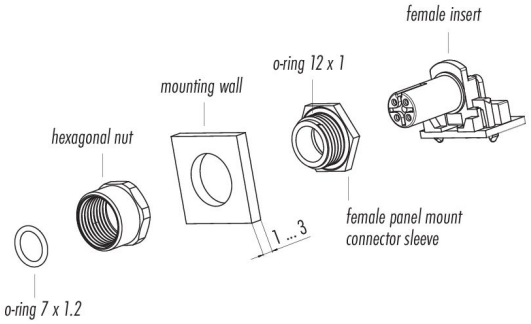
**Product data sheet**

# Automation technology - Sensors and actuators

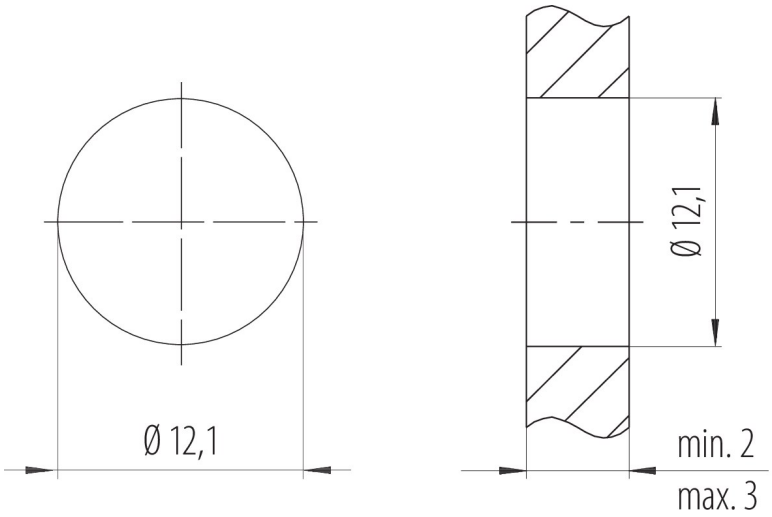
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## Assembly instructions

1. *Fit the o-ring 12 x 1 onto the female panel mount connector sleeve and push it into the groove.*
2. *Push female panel mount connector sleeve through mounting wall.*
3. *Put on the nut and tighten it. Pay attention to the alignment of the female panel mount connector sleeve.*
4. *Insert the female insert into the female panel mount connector sleeve.*
5. *Thread the o-ring 7 x 1.2 onto the female insert and push it with a suitable tool in the direction of the stop surface of the female panel mount connector sleeve.*




## Assembly instructions / Panel cut-out




*Tightening torque*

M12 x 1 1,00 Nm

**Product data sheet**

# Automation technology - Sensors and actuators

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## 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.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

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. 60 cNm).

The user must take appropriate safety precautions to ensure that the connector cannot be accidentally disconnected. In addition, the user must ensure that the cable is suitably secured.