**Product data sheet**

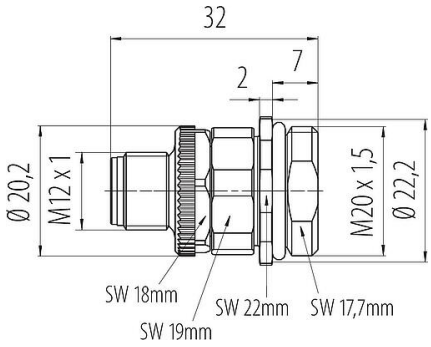
# Automation technology - Voltage and Power Supply

| | |
|---|---|
| Product description | **M12 Male panel mount connector, Contacts: 4, unshielded, screw clamp, IP68, UL 2238, VDE, M20x1.5, Front mounting** |
| Area | **M12-T** |
| Coding | **T-coded** |
| Series | **813** |
| Part no. | **99 0633 500 04** |

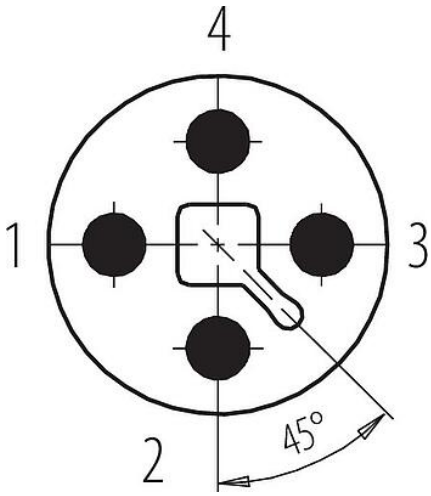
## Illustration (may vary)



## Scale drawing




## Contact arrangement (Plug-in side)




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

## Technical data

### General features

| | |
|---|---|
| Part no. | 99 0633 500 04 |
| Connector design | Male panel mount connector |
| Type standard | DIN EN IEC 61076-2-111:2018-10;VDE 0687-76-2-111:2018-10 |
| Coding | T-coded |
| Version | Connector pin straight |
| Connector locking system | screw |
| Termination | screw clamp |
| Degree of protection | IP68 |
| Connection cross-section | max. 1.50 mm² / AWG 16 |
| Temperature range from/to | -40 °C / 85 °C |
| Mechanical operation | > 100 Mating cycles |
| Weight (g) | 25.53 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

### Electrical parameters

| | |
|---|---|
| Rated voltage | 63 V |
| Rated impulse voltage | 1500 V |
| Rated current | 12.0 A |
| Pollution degree | 3 |

**Product data sheet**

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| | |
|---|---|
| Overvoltage category | III |
| Insulating material group | II |
| EMC compliance | unshielded |

## Material

| | |
|---|---|
| Housing material | Zinc die-cast nickel-plated |
| Contact body material | PA |
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | 1eca2e40-5436-4a11-a6a4-921c494d9783 |

## Authorization/approvals

| | |
|---|---|
| Approvals | UL 2238, VDE |

## Classifications

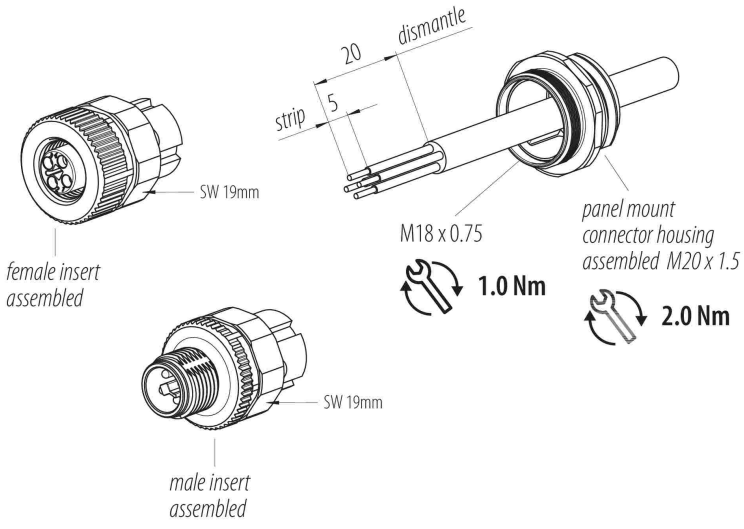
| | |
|---|---|
| eCl@ss 11.1 | 27-44-01-02 |
| ETIM 9.0 | EC002635 |

## Trade-Compliance

| | |
|---|---|
| Copper (9903.78.01) | 0.000221 kg |

## Assembly instructions

1. *Bead panel mount connector housing to cable.*
2. *Dismantle cable.*
3. *Strip and screw on single wires (0.4 Nm).*
4. *Screw panel mount connector housing to male/female insert.*




Date: 03.10.2026

**Product data sheet**

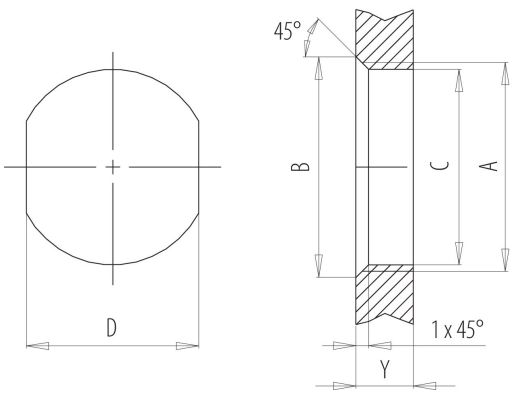
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## Assembly instructions / Panel cut-out

With flats as anti-rotation device

With bore hole

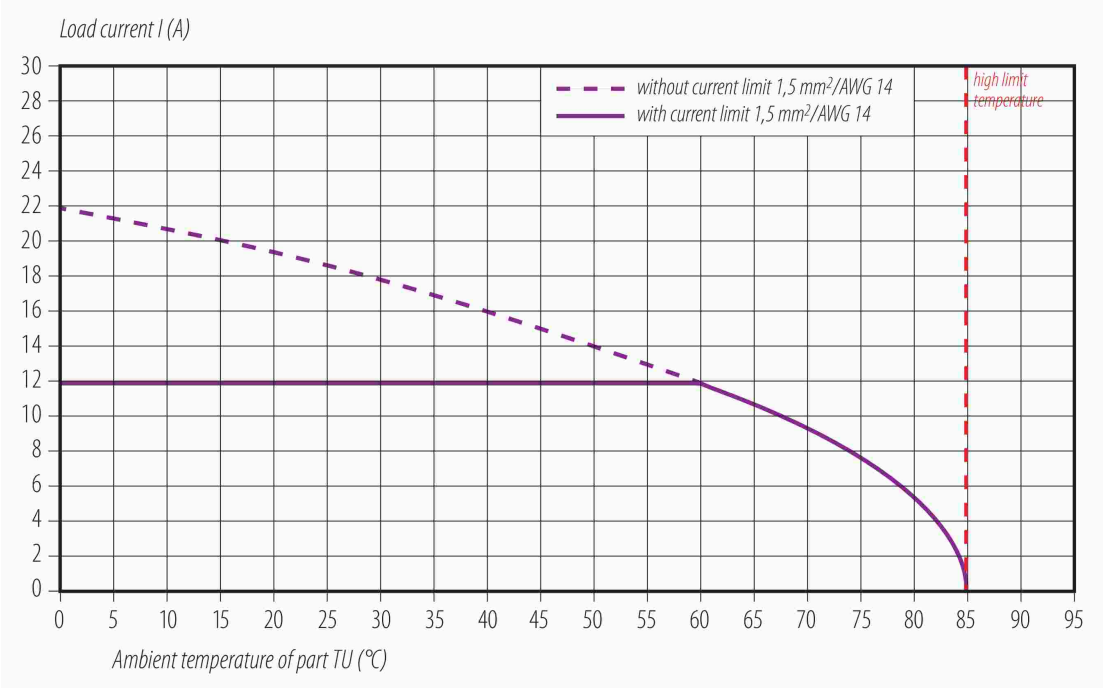



| Thread | Measures | | | Tightening torque | |
|---|---|---|---|---|---|
| **A** | **B** (mm) | **C** (mm) | **D** (mm) | Metal | Plastic |
| M16 x 1,5 | 17,0 | 16,1 | 13,5 | 1,25 Nm | 1,25 Nm |
| M20 x 1,5 | 21,6 | 20,1 | 17,8 | 2 Nm | 1,25 Nm |

| Thickness of wall Y (mm) | | |
|---|---|---|
| Version | **min** (mm) | **max** (mm) |
| Fastened from rear | 2 | 3,5 |
| Front fastened | 2 | 4,5 |
| Screw clamp | 2 | 3,5 |

Installation direction: o-ring sits on chamfer.

## Derating curve



**Product data sheet**

# Automation technology - Voltage and Power Supply

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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.

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.

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).