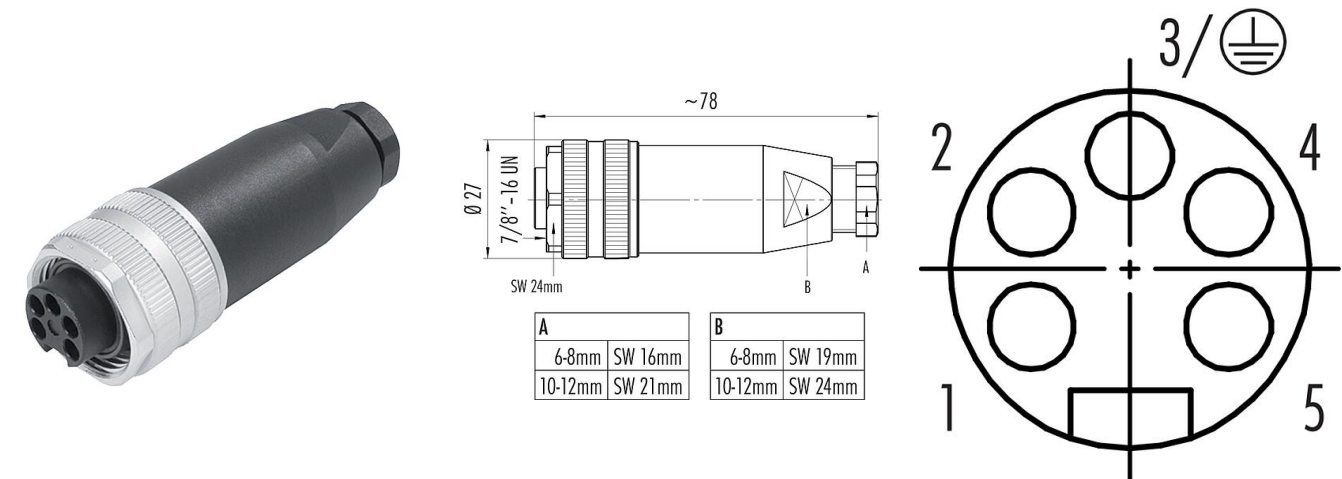


| | |
|---------------------|---|
| Product description | 7/8" Female cable connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE |
| - | - |
| Area | 7/8" series 820 |
| Part no. | 99 2444 12 05 |

Illustration

Scale drawing

Contact arrangement (Plug-in side)



You can find the component part drawing and assembly instructions on the next page.

Technical data

General features

| | |
|---------------------------|---------------------------|
| Part no. | 99 2444 12 05 |
| Connector design | Female cable connector |
| Version | Connector socket straight |
| Connector locking system | screw |
| Termination | screw clamp |
| Degree of protection | IP67 |
| Cross-sectional area | max. 1.50 mm² / AWG 16 |
| Cable outlet | 6.0-8.0 mm |
| Temperature range from/to | -25 °C / 85 °C |
| Mechanical operation | > 50 Mating cycles |
| Weight (g) | 45.90 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

Electrical parameters

| | |
|---------------------------|----------------------|
| Rated voltage | 300 V (600 V UL) |
| Rated impulse voltage | 4000 V |
| Rated current | 9.0 A |
| Insulation resistance | ≥ 10 ¹⁰ Ω |
| Pollution degree | 3 |
| Overvoltage category | III |
| Insulating material group | III |

Product data sheet

Automation technology - Voltage and Power Supply



| | |
|---------------------|---|
| Product description | 7/8" Female cable connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE |
| - | - |
| Area | 7/8" series 820 |
| Part no. | 99 2444 12 05 |

EMC compliance unshielded

Material

| | |
|-----------------------|--|
| Housing material | PBT |
| Contact body material | PUR/PA |
| Contact material | CuZn (brass) / CuSn (bronze) |
| Contact plating | Au (gold) |
| Locking material | Zinc die-cast nickel-plated |
| REACH SVHC | CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead) |
| SCIP number | f632227c-57bd-4dc9-b902-0782788264c1 |

Authorization/approvals

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

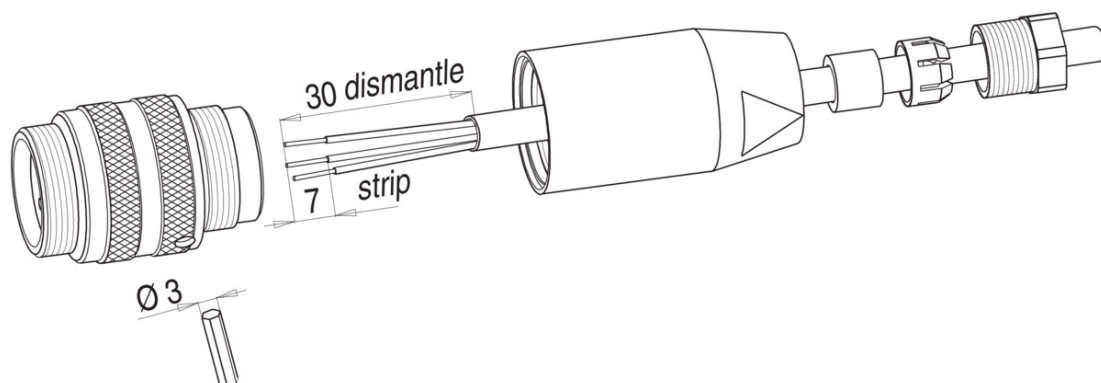
Classifications

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

Declarations of conformity

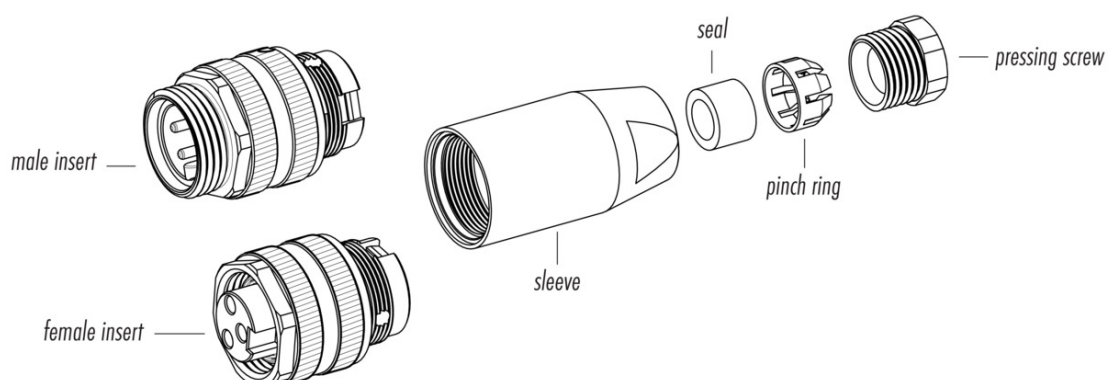
| | |
|-----------------------|--|
| Low Voltage Directive | 2014/35/EU (EN 60204-1:2018;EN 60529:1991) |
|-----------------------|--|

Assembly instructions



| | |
|---------------------|---|
| Product description | 7/8" Female cable connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE |
| - | - |
| Area | 7/8" series 820 |
| Part no. | 99 2444 12 05 |

Component part drawing



| | |
|---------------------|---|
| Product description | 7/8" Female cable connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE |
| - | - |
| Area | 7/8" series 820 |
| Part no. | 99 2444 12 05 |

General Disclaim Notice

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.

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