

## Product data sheet

# Automation Technology - Voltage and Power Supply

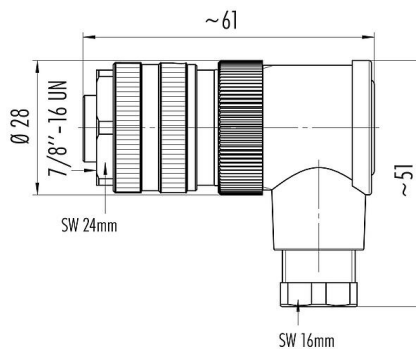


Product description	7/8" Female angled connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE
Area	7/8" series 820
Part no.	99 2444 52 05

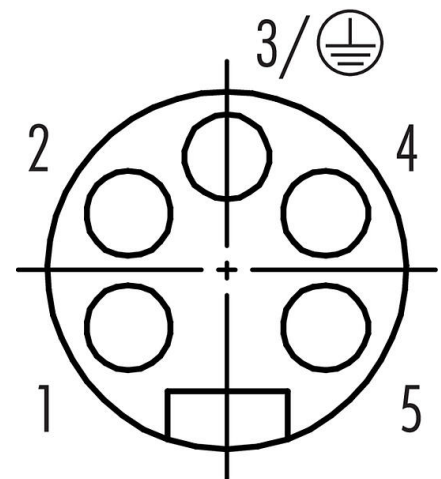
### Illustration



### 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 52 05
Connector design	Female angled connector
Version	Connector socket angled
Connector locking system	screw
Termination	screw clamp
Degree of protection	IP67
Cross-sectional area	max. 1.50 mm <sup>2</sup> / AWG 16
Cable outlet	6.0-8.0 mm
Twistability	45° (8 coding options)
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	50.05
Customs tariff number	85369010

### Electrical parameters

Rated voltage	300 V (600 V UL)
Rated impulse voltage	4000 V
Rated current (40 °C)	9.0 A
Insulation resistance	≥ 10 <sup>10</sup> Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	III

## Product data sheet

# Automation Technology - Voltage and Power Supply



Product description	<b>7/8" Female angled connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE</b>
Area	<b>7/8" series 820</b>
Part no.	<b>99 2444 52 05</b>

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	SCIP-number not available

### Authorization/approvals

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

### Classifications

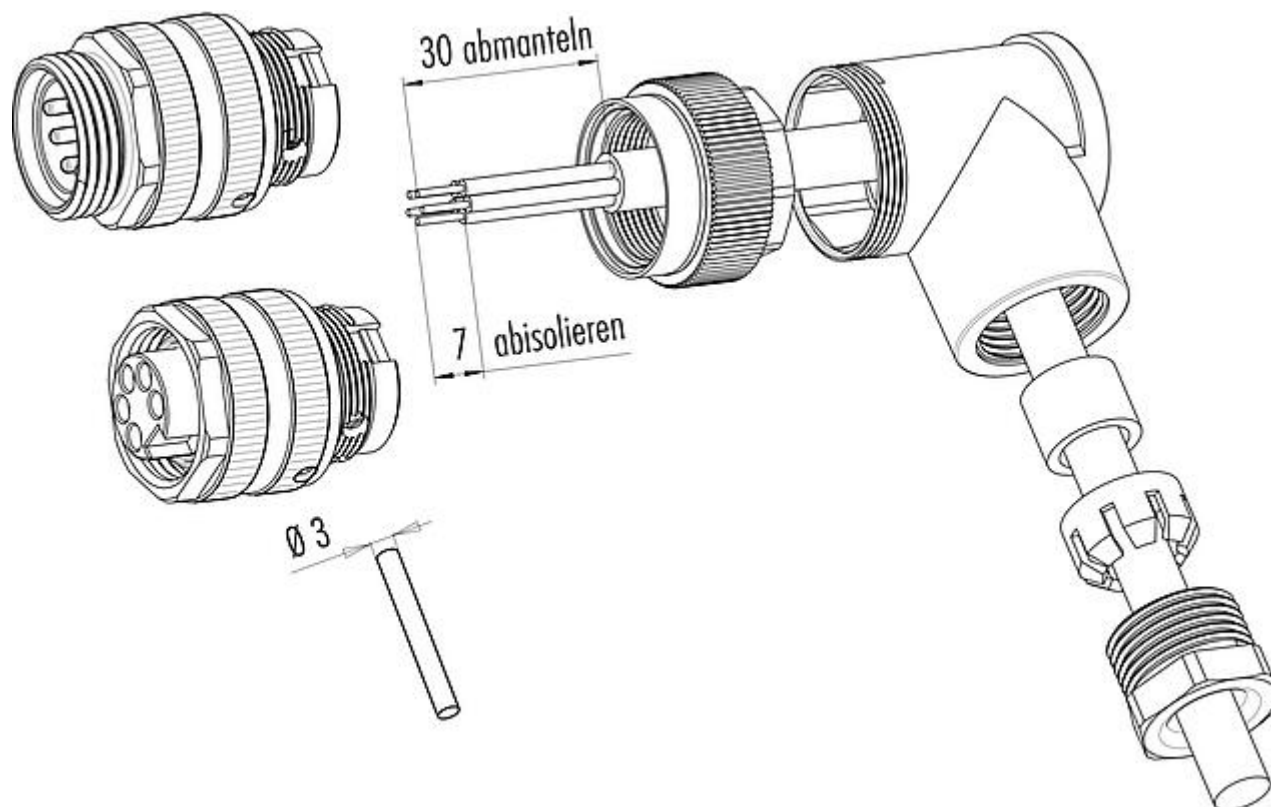
eCl@ss 11.1	27-44-01-02
ETIM 7.0	EC002635

### Declarations of conformity

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

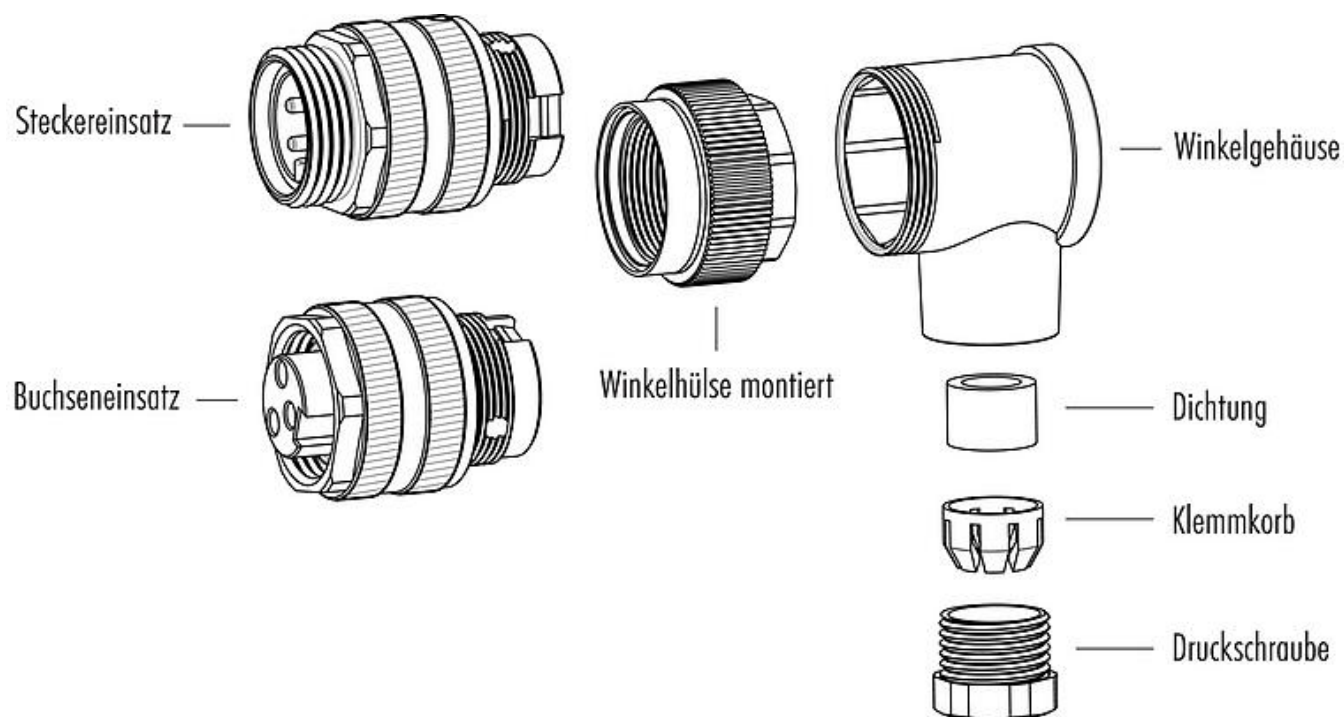
Product description	7/8" Female angled connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE
Area	7/8" series 820
Part no.	99 2444 52 05

**Assembly instructions**



Product description	7/8" Female angled connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE
Area	7/8" series 820
Part no.	99 2444 52 05

**Component part drawing**



Product description	<b>7/8" Female angled connector, Contacts: 4+PE, 6.0-8.0 mm, unshielded, screw clamp, IP67, UL, VDE</b>
Area	<b>7/8" series 820</b>
Part no.	<b>99 2444 52 05</b>

### **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).