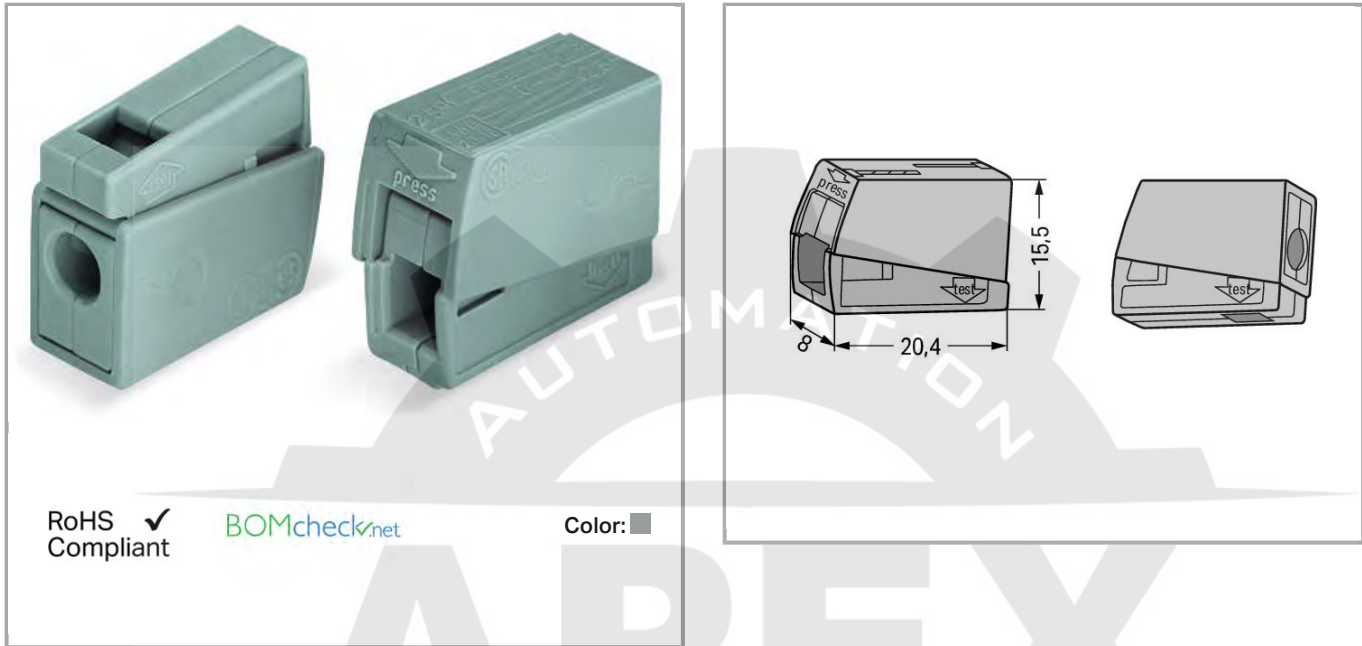




### Item description

**Note:**

**Terminating Aluminum Conductors**

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm<sup>2</sup>/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

**"Alu-Plus" Contact Paste Advantages:**

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with PUSH WIRE® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:

2.5 mm<sup>2</sup> (14 AWG) = 16 A

4 mm<sup>2</sup> (12 AWG) = 22 A

**Safety information 1:**

In grounded power lines

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

|                                |       |
|--------------------------------|-------|
| Rated voltage (II / 2)         | 400 V |
| Rated impulse voltage (II / 2) | 4 kV  |
| Rated current                  | 24 A  |

#### Connection data

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Connection type (1)               | Installation side:               |
| Connection technology             | PUSH WIRE®                       |
| Actuation type                    | Push-in                          |
| Connectable conductor materials   | Copper<br>Aluminum               |
| Solid conductor                   | 1 ... 2.5 mm² / 14 ... 12 AWG    |
| Strip length                      | 9 ... 11 mm / 0.35 ... 0.43 inch |
| Connection type (2)               | Lighting side:                   |
| Connection technology 2           | CAGE CLAMP®                      |
| Number of connection points       | 1                                |
| Solid conductor (2)               | 0.5 ... 2.5 mm² / 20 ... 16 AWG  |
| Total number of connection points | 2                                |
| Total number of potentials        | 1                                |
| Type of wiring                    | Side-entry wiring                |

#### Geometrical Data

|        |                      |
|--------|----------------------|
| Width  | 8 mm / 0.315 inch    |
| Height | 15.5 mm / 0.61 inch  |
| Depth  | 20.4 mm / 0.803 inch |

#### Material Data

|           |          |
|-----------|----------|
| Color     | gray     |
| Fire load | 0.041 MJ |
| Weight    | 2.128 g  |

#### Environmental Requirements

|                                  |        |
|----------------------------------|--------|
| Continuous operating temperature | 105 °C |
|----------------------------------|--------|

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | CH            |
| GTIN               | 4044918583817 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                             | Approval                                     | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V.              | C22.2                    | 1053495          |
|  | VDE<br>VDE Prüf- und Zertifizierungsinstitut | EN 60998                 | 40022792         |

### Ship Approvals

| Logo                                                                                | Approval                                         | Additional Approval Text | Certificate name |
|-------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|------------------|
|   | ABS<br>American Bureau of Shipping               | -                        | 18-HG1755093-PDA |
|  | BV<br>Bureau Veritas S.A.                        | EN 60998                 | 11914/CO<br>BV   |
|   | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | EN 60998                 | TAE000015T       |
|  | LR<br>Lloyds Register                            | EN 60998                 | 04/20013<br>(E4) |

### UL-Approvals

| Logo                                                                               | Approval                            | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | UL<br>UL International Germany GmbH | EN 60998                 | CCA-2617-A1      |



UL  
UL International Germany GmbH

EN 60998

D-05895-  
A1  
(EN60998-  
1  
EN60998-  
2-2)



WIRE CONNECTOR  
6677

UL  
UL International Germany GmbH

UL 486C

E69654

## Compatible products

### General accessories



Item no.: 249-130  
Syringe; Contents: 20 ml Alu-Plus contact paste

249-130

## Downloads

### Documentation

#### Bid Text

224-101

doc  
25.6 kB

[Download](#)

### CAD/CAE - Smart Data

#### CAD data

3D Download 224-101

[URL](#)

[Download](#)

Subject to changes.