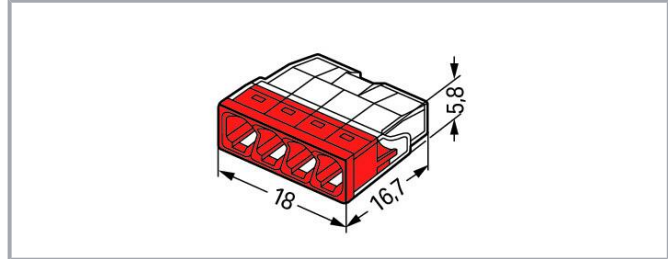


## Data sheet | Item number: 2273-204

COMPACT splicing connector; for solid conductors; max. 2.5 mm<sup>2</sup>; 4-conductor; transparent housing; red cover; Surrounding air temperature: max 60°C (T60); 2,50 mm<sup>2</sup>; transparent

[www.wago.com/2273-204](http://www.wago.com/2273-204)



### Item description

Advantages:

- Convenient wiring via extremely compact design
- Push-in termination of up to eight solid conductors
- Cross-section range: 0.5 ... 2.5 mm<sup>2</sup>
- Any combination of conductor sizes is possible
- PUSH WIRE® connection terminates solid ("s") copper conductors

### Data

#### Notes

Safety information

in grounded power lines

### Electrical data

#### Ratings per IEC/EN

|                            |              |
|----------------------------|--------------|
| Ratings per                | IEC/EN 60998 |
| Nominal voltage (II/2)     | 450 V        |
| Rated surge voltage (II/2) | 4 kV         |
| Rated current              | 24 A         |

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

Legend (ratings)

(II / 2)  $\triangleq$  Overvoltage category II / Pollution degree 2**Ratings per UL 1059**

|                    |         |
|--------------------|---------|
| Approvals per      | UL 486C |
| Rated voltage (UL) | 600 V   |
| Rated current (UL) | 20 A    |

**Connection data**

|                            |   |
|----------------------------|---|
| Connection points          | 4 |
| Total number of potentials | 1 |

**Connection 1**

|                                 |                        |
|---------------------------------|------------------------|
| Connection technology           | PUSH WIRE <sup>®</sup> |
| Actuation type                  | Push-in                |
| Connectable conductor materials | Copper<br>Aluminum     |

Connectable conductor materials (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 249-130 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.

Subject to changes. Please also observe the further product documentation!

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For spring clamp connections with PUSH WIRE® connection technology, **WAGO recommends that the aluminum conductor first be cleaned** and then immediately inserted into the clamping unit 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> = 16 A

4 mm<sup>2</sup> = 22 A

|                  |                                             |
|------------------|---------------------------------------------|
| Solid conductor  | 0.5 ... 2.5 mm <sup>2</sup> / 20 ... 16 AWG |
| Strip length     | 11 mm / 0.43 inches                         |
| Wiring direction | Side-entry wiring                           |

### Physical data

|        |                        |
|--------|------------------------|
| Width  | 18 mm / 0.709 inches   |
| Height | 5.8 mm / 0.228 inches  |
| Depth  | 16.7 mm / 0.657 inches |

### Material Data

Note (material data)

Information on material specifications can be found [here](#)

|                             |             |
|-----------------------------|-------------|
| Color                       | transparent |
| Cover color                 | red         |
| Flammability class per UL94 | V2          |
| Fire load                   | 0.034 MJ    |
| Weight                      | 1.3 g       |

### Environmental requirements

|                                  |        |
|----------------------------------|--------|
| Ambient temperature (operation)  | +60 °C |
| Continuous operating temperature | 105 °C |
| Temperature marking per EN 60998 | T60    |

### Commercial data

|               |                     |
|---------------|---------------------|
| Product Group | 7 (Push Wire Conn.) |
|---------------|---------------------|

Subject to changes. Please also observe the further product documentation!

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|                       |                |
|-----------------------|----------------|
| eCl@ss 10.0           | 27-14-11-04    |
| eCl@ss 9.0            | 27-14-11-04    |
| ETIM 8.0              | EC000446       |
| ETIM 7.0              | EC000446       |
| PU (SPU)              | 1000 (100) pcs |
| Packaging type        | box            |
| Country of origin     | DE             |
| GTIN                  | 4050821027867  |
| Customs tariff number | 85369010000    |

### Environmental Product Compliance



|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

### Approvals / Certificates

#### General approvals

| Logo                                                                               | Approval                                            | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------|------------------|
|   | cULus_Listed_667F<br>Underwriters Laboratories Inc. | UL 486C                  | E69654           |
|  | VDE<br>VDE Prüf- und Zertifizierungsinstitut        | EN 60998                 | 40029794         |

#### Declarations of conformity and manufacturer's declarations

| Logo                                                                               | Approval                                           | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------|------------------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |




#### Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|      |          |                          |                  |

Subject to changes. Please also observe the further product documentation!

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|                                                                                   |                                                         |          |                          |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|----------|--------------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | -        | 15-<br>HG1419918-<br>PDA |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T               |
|  | <b>LR</b><br>Lloyds Register                            | EN 60998 | LR22207029TA             |

## Optional accessories

### General accessories

Moisture protection



**Item no.: 207-1331**

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 1; gray

[www.wago.com/207-1331](http://www.wago.com/207-1331)



**Item no.: 207-1333**

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 3; gray

[www.wago.com/207-1333](http://www.wago.com/207-1333)

### Tool

"Alu-Plus" contact paste



**Item no.: 249-130**

Syringe; Contents: 20 ml Alu-Plus contact paste

[www.wago.com/249-130](http://www.wago.com/249-130)

### Mounting adapter

Mounting accessories



**Item no.: 2273-500**

Mounting carrier; for single- and double-row con.; 2273 Series; for DIN-35 rail mounting/screw mounting; orange

[www.wago.com/2273-500](http://www.wago.com/2273-500)

## Downloads

### Documentation

#### Bid Text

|             |             |        |          |
|-------------|-------------|--------|----------|
| 2273-204    | 2019 Feb 19 | xml    | Download |
| X81 - Datei |             | 3.2 kB |          |

Subject to changes. Please also observe the further product documentation!



|                         |             |                |          |
|-------------------------|-------------|----------------|----------|
| 2273-204<br>doc - Datei | 2017 May 17 | doc<br>25.1 kB | Download |
|-------------------------|-------------|----------------|----------|

|                          |  |     |          |
|--------------------------|--|-----|----------|
| ausschreiben.de 2273-204 |  | URL | Download |
|--------------------------|--|-----|----------|

## CAD/CAE-Data

### CAD data

|                       |  |     |          |
|-----------------------|--|-----|----------|
| 2D/3D Models 2273-204 |  | URL | Download |
|-----------------------|--|-----|----------|

### CAE data

|                            |  |     |          |
|----------------------------|--|-----|----------|
| EPLAN Data Portal 2273-204 |  | URL | Download |
|----------------------------|--|-----|----------|

|                       |  |     |          |
|-----------------------|--|-----|----------|
| ZUKEN Portal 2273-204 |  | URL | Download |
|-----------------------|--|-----|----------|

|                         |  |     |          |
|-------------------------|--|-----|----------|
| WSCAD Universe 2273-204 |  | URL | Download |
|-------------------------|--|-----|----------|

## Environmental Product Compliance

### Compliance Search

|                                           |  |     |          |
|-------------------------------------------|--|-----|----------|
| Environmental Product Compliance 2273-204 |  | URL | Download |
|-------------------------------------------|--|-----|----------|

COMPACT splicing connector; for solid conductors; max. 2.5 mm<sup>2</sup>; 4-conductor; transparent housing; red cover; Surrounding air temperature: max 60°C (T60); 2,50 mm<sup>2</sup>; transparent

## Installation Notes

### Conductor termination

Subject to changes. Please also observe the further product documentation!

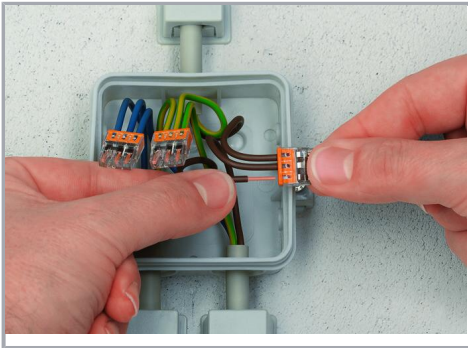


Strip solid conductor to 11 mm/0.43 inch (see marking).

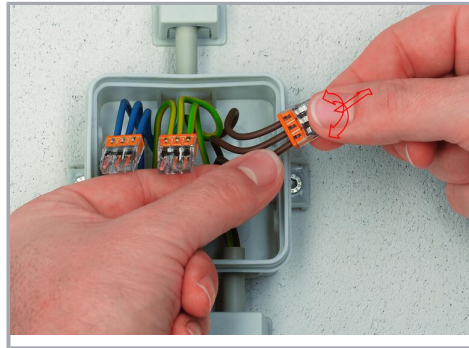
The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct.

Conductors are correctly stripped if the clear port shows no bare conductor on the unprinted connector side. Picture shows center conductor with exceeded strip length.

Subject to changes. Please also observe the further product documentation!



Termination: Insert the stripped solid conductor until it hits the backstop.



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

### Testing



Testing via test port opposite to conductor entry.

Subject to changes. Please also observe the further product documentation!