

Data Sheet | Item Number: 221-612

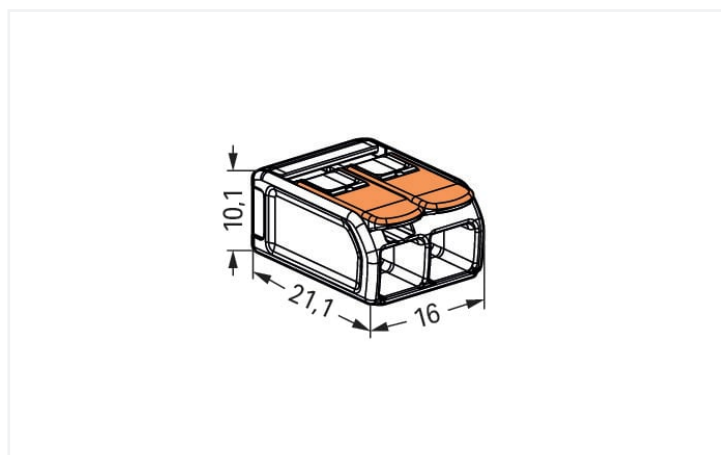
COMPACT Splicing Connector; for all conductor types; max. 6 mm²; 2-conductor;
with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00
mm²; transparent



<https://www.wago.com/221-612>



Color: transparent



Dimensions in mm

Your benefits:

- Ease of use – pull the lever up, insert a conductor and push the lever back down
- Available as 2-, 3- and 5-wire connectors
- Easily terminate conductors from 0.5 to 6 mm²
- Connection of all conductor types
- Time savings for installers and device manufacturers
- Quickly install devices with higher power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards
- Custom carriers are possible

Notes

| | |
|--------------------|-------------------------|
| Safety information | in grounded power lines |
|--------------------|-------------------------|

Electrical data

Ratings per IEC/EN

| | |
|----------------------------|---|
| Ratings per | EN 60664 |
| Nominal voltage (II/2) | 450 V |
| Rated surge voltage (II/2) | 4 kV |
| Rated current | 41 A |
| Legend (ratings) | (II / 2) $\hat{=}$ Overvoltage category II / Pollution degree 2 |

Ratings per UL 1059

| | |
|--------------------------------|---------|
| Approvals per | UL 486C |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 30 A |

Connection data

| | |
|----------------------------|---|
| Connection points | 2 |
| Total number of potentials | 1 |

Connection 1

| | |
|---------------------------------|---|
| Connection technology | CAGE CLAMP® |
| Actuation type | Lever |
| Connectable conductor materials | Copper |
| Nominal cross-section | 6 mm ² / 10 AWG |
| Solid conductor | 0.5 ... 6 mm ² / 20 ... 10 AWG |
| Stranded conductor | 0.5 ... 6 mm ² / 20 ... 10 AWG |
| Fine-stranded conductor | 0.5 ... 6 mm ² / 20 ... 10 AWG |
| Strip length | 12 ... 14 mm / 0.47 ... 0.55 inches |
| Wiring direction | Side-entry wiring |

Physical data

| | |
|--------|------------------------|
| Width | 16 mm / 0.63 inches |
| Height | 10.1 mm / 0.398 inches |
| Depth | 21.1 mm / 0.831 inches |

Material data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | transparent |
| Cover color | transparent |
| Insulation material | Polycarbonate (PC) |
| Flammability class per UL94 | V2 |
| Fire load | 0.05 MJ |
| Actuator color | orange |
| Weight | 3 g |

Environmental requirements

| | |
|----------------------------------|--------|
| Continuous operating temperature | 105 °C |
| Temperature marking per EN 60998 | T85 |

Commercial data

| | |
|-----------------------|---------------|
| 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) | 500 (50) pcs |
| Packaging type | Box |
| Country of origin | CH |
| GTIN | 4055143704168 |
| Customs tariff number | 85369010000 |

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|---|-----------|------------------|
| CB DEKRA Certification B.V. | IEC 60998 | NL-81003 |
| ENEC 05 DEKRA Certification B.V. | EN 60998 | 71-123784 |
| UL_Listed_64KA UL International Germany GmbH | UL 467 | E201573 |
| UL UL International Germany GmbH | UL 486C | E69654 |

Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications



| Approval | Standard | Certificate Name |
|--|----------|------------------|
| ABS American Bureau of Shipping | EN 60998 | 18-HG1755093-PDA |
| DNV GL Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T |
| LR Lloyds Register | EN 60998 | LR22207029TA |

Downloads

Environmental Product Compliance

| Compliance Search | |
|--|---|
| Environmental Product Compliance 221-612 | ↓ |

Documentation

| Bid Text | | | |
|----------------------------|------------|------------------|---|
| 221-612 | 19.02.2019 | xml 3.47 KB | ↓ |
| 221-612 | 23.01.2019 | docx 15.62 KB | ↓ |
| ausschreiben.de 221-612 | | | ↓ |

CAD/CAE-Data

| CAD data | |
|----------------------|---|
| 2D/3D Models 221-612 | ↓ |

| CAE data | |
|------------------------------|---|
| EPLAN Data Portal 221-612 | ↓ |
| ZUKEN Portal 221-612 | ↓ |

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



Item No.: 207-1431
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 1; gray

Item No.: 207-1432
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 2; gray

Item No.: 207-1433
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 3; gray

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 221-941/000-006
Jumper; for conductor entry; 2-way; insulated; blue

Item No.: 221-942/000-006
Jumper; for conductor entry; 2-way; insulated; blue

Item No.: 221-941
Jumper; for conductor entry; 2-way; insulated; dark gray

Item No.: 221-942
Jumper; for conductor entry; 2-way; insulated; dark gray

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



Item No.: 221-510/000-006

Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; blue



Item No.: 221-510/000-053

Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow

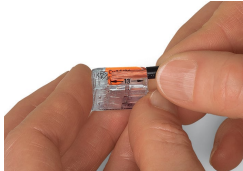


Item No.: 221-510

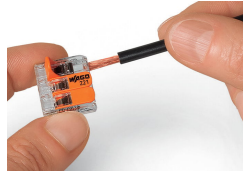
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; orange

Installation Notes

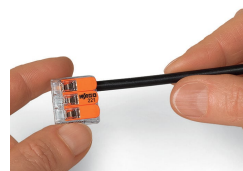
Conductor termination



Leiter 12 ... 14 mm abisolieren.

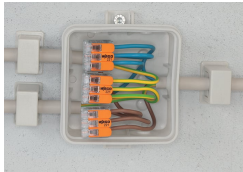


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

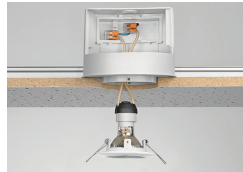


Then, lower the lever to close the clamp.

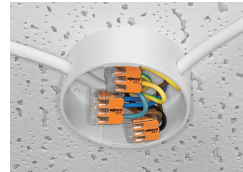
Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy



Pendant light connection in a suspended ceiling



COMPACT Splicing Connectors for All Conductor Types (6 mm²), 221 Series