

Data Sheet | Item Number: 221-413/995-012

Conector de îmbinare cu pârghii; pentru toate tipurile de conductori; max. 4 mm²; 3 conductori; carcasă transparentă; Temperatură aer ambient: max 85°C (T85); 4,00 mm²; transparent

<https://www.wago.com/221-413/995-012>



Color: ☐ transparent

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 0.14 to 4 mm²
- Connect solid, stranded and fine-stranded conductors
- Save time 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

This item includes:



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Notes

Safety management note

NOTICE: Observe installation and safety instructions!

- **Only to be used by electricians!**
- Do not work under voltage/load!
- Use only for proper use!
- Observe national regulations/standards/guidelines!
- Observe technical specifications for the products!
- Observe the number of permissible potentials!
- Do not use damaged/dirty components!
- Observe conductor types, cross-sections and strip lengths!
- Insert conductor until it hits the product's backstop!
- Use original accessories!

To be sold only with installation instructions!

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	32 A
Legend (ratings)	(II / 2) Δ Overvoltage category II / Pollution degree 2

Ratings per UL

Approvals per	UL 486C
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	20 A

Connection data

Clamping units	3
Total number of potentials	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0,2 ... 4 mm² / 24 ... 12 AWG
Stranded conductor	0,2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0,14 ... 4 mm² / 24 ... 12 AWG
Strip length	11 mm / 0.43 inci
Wiring direction	Side-entry wiring

Physical data

Width	18,8 mm / 0.74 inci
Height	8,4 mm / 0.331 inci
Depth	18,8 mm / 0.732 inci

Material data

Note (material data)	Information on material specifications can be found here
Color	transparent
Material group	IIIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.064 MJ
Actuator color	orange
Weight	2.5 g

Environmental requirements

Ambient temperature (operation)	+85 °C
Continuous operating temperature	105 °C
Temperature marking per EN 60998	T85

Commercial data

ETIM 9.0	EC000446
ETIM 8.0	EC000446
PU (SPU)	216 (12) Buc.
Packaging type	Blister foil
Country of origin	DE
GTIN	4066966001907
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Downloads

Environmental Product Compliance

Compliance Search

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Compliance
221-413/995-012



1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Empty housings

**Item No.: 207-4301**

Cutie de conexiuni; Derivație; pentru cabluri multimedez; Seria 221; conectori de max. 4 mm²; fără conectori pentru cutia de joncțiune; alb

1.1.1.2 Moisture protection

**Item No.: 207-1331**

Gelbox; Derivație; pentru cabluri; cu gel; Seriile 221, 2x73; conectori de max. 4 mm²; fără conectori pentru cutia de joncțiune; Mărimea 1; gri

**Item No.: 207-1333**

Gelbox; Derivație; pentru cabluri; cu gel; Seriile 221, 2x73; conectori de max. 4 mm²; fără conectori pentru cutia de joncțiune; Mărimea 3; gri

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 221-941/000-006
Șunt; pentru intrare conductor; 2 căi; izolat; albastru



Item No.: 221-942/000-006
Șunt; pentru intrare conductor; 2 căi; izolat; albastru



Item No.: 221-941
Șunt; pentru intrare conductor; 2 căi; izolat; gri închis



Item No.: 221-942
Șunt; pentru intrare conductor; 2 căi; izolat; gri închis

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



Item No.: 221-513
Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare orizontală; alb



Item No.: 221-513/000-004
Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare orizontală; negru



Item No.: 221-523
Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare verticală; alb



Item No.: 221-523/000-004
Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare verticală; negru



Item No.: 221-503
Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; pentru montare cu șurub; alb



Item No.: 221-503/000-004
Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; pentru montare cu șurub; negru



Item No.: 221-500/000-006
Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; albastru



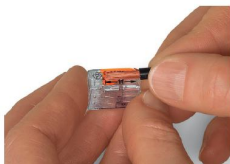
Item No.: 221-500/000-053
Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; gri-galben închis



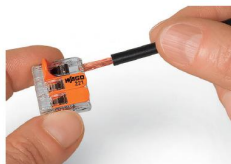
Item No.: 221-500
Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; portocaliu

Installation Notes

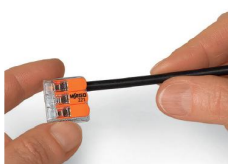
Conductor termination



Strip conductor to 11 mm (0.43 inch).



Pull up an orange lever to open the clamping unit.

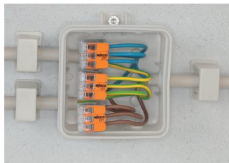


Then insert the conductor and push the lever back down, flush with the connector housing.



Compact, lever-operated splicing connectors:
Tool-free connection of fine-stranded conductors from 0.14 ... 4 mm², as well as solid or stranded conductors from 0.2 ... 4 mm² (24 ... 12 AWG).
Safety:
The lever's specially designed rest position reliably prevents accidental unclamping of a connected conductor.
Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

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