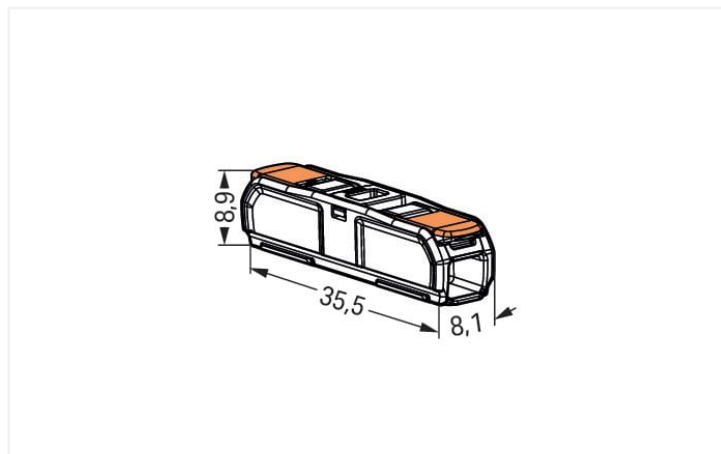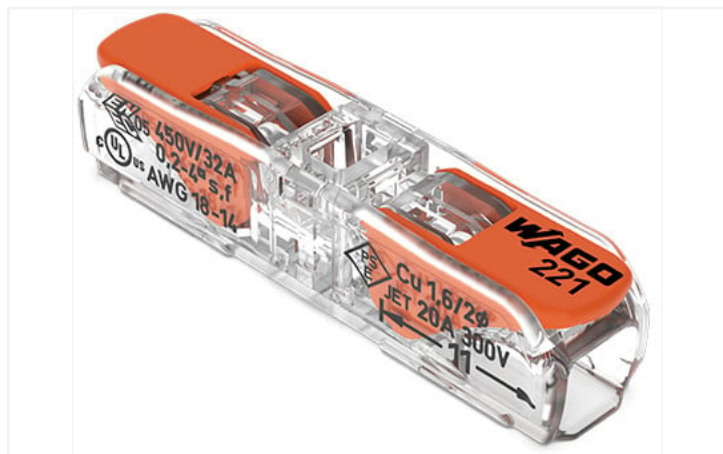# Data Sheet | Item Number: 221-2411

Inline splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; Transparent cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

https://www.wago.com/221-2411

Color: ☐ transparent

This connector is suitable for worldwide installations.

- Inline connection of solid, stranded and fine-stranded conductors from 0.2 to 4 mm² (24–16 AWG)
- Slim design saves space in tight areas
- Tool-free connection and disconnection thanks to convenient lever technology
- Use a mounting carrier for fixed and multi-pole wiring

Electrical data

Ratings per		EN 60664			Ratings per UL 1059	
Overvoltage category		III	III	II	Rated voltage UL (Use Group C)	600 V
Pollution degree		3	2	2	Rated current UL (Use Group C)	20 A
Nominal voltage		-	-	450 V		
Rated surge voltage		-	-	4 kV		
Rated current		-	-	32 A		

Connection data

Connection points	2

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Solid conductor	0.2 … 4 mm² / 20 … 14 AWG
Stranded conductor	0.2 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.2 … 4 mm² / 18 … 14 AWG
Strip length	11 mm / 0.43 inches

Physical data

Width	8.1 mm / 0.319 inches
Height	8.9 mm / 0.35 inches
Depth	35.5 mm / 1.398 inches

Material data

Note (material data)	Information on material specifications can be found here
Color	transparent
Cover color	transparent
Material group	IIIa
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.057 MJ
Actuator color	orange
Weight of insulation material	0.84 g
Weight	2.3 g

Environmental requirements

Continuous operating temperature	-60 … +105 °C

Commercial data

ETIM 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	600 (60) pcs
Packaging type	Box
Country of origin	CH
GTIN	4066966102666
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

CCA K05 cULus LISTED WIRE CONNECTOR 667F

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7827
ENEC 05 DEKRA Certification B.V.	EN 60998	71-113253 REV.1
UL Underwriters Laboratories Inc.	UL 486C	E69654

Approvals for marine applications

LR APPROVED

Approval	Standard	Certificate Name
LR Lloyds Register	EN 60998	LR22207029TA

Downloads

Environmental Product Compliance

WAGO

Compliance Search

Environmental Product
Compliance 221-2411

↓

CAD/CAE-Data

CAD data

2D/3D Models
221-2411

↓

CAE data

EPLAN Data Portal
221-2411

↓

ZUKEN Portal
221-2411

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection

Item No.: 207-1375
Gelbox; Durchgangsverbindung; für Ader-leitungen; mit Gel; Serie 221, max. 4mm²-Klemmen; ohne Verbindungsklemmen; Größe 3; grau

Item No.: 207-1372
Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray

Item No.: 207-1373
Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray

1.1.2 Installation

1.1.2.1 Mounting accessories

Item No.: 221-2501
Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2511
Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2502
Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2512
Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2503
Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2513
Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2504
Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2514
Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2505
Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2515
Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2521
Mounting carrier; 1-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2531
Mounting carrier; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2522
Mounting carrier; 2-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2532
Mounting carrier; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2523
Mounting carrier; 3-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2533
Mounting carrier; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray

1.1.2.1 Mounting accessories

Item No.: 221-2524
Mounting carrier; 4-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2534
Mounting carrier; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 221-2525
Mounting carrier; 5-way; for inline splicing connector with lever; for screw mounting; gray

Item No.: 221-2535
Mounting carrier; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray

Item No.: 209-123
Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray

Item No.: 209-1116
Mounting foot with screw; for DIN-15 rail; can be screwed on terminal blocks with fixing flange; 6.5 mm wide; gray

Item No.: 209-120
Mounting foot; can be snapped on terminal blocks with snap-in mounting foot; for mounting on relay-modules; 6.4 mm wide; gray

Item No.: 209-1115
Mounting foot; for DIN-15 rail; can be snapped on terminal blocks with snap-in mounting foot; 6.5 mm wide; gray

1.1.3 Marking

1.1.3.1 Marking strip

Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

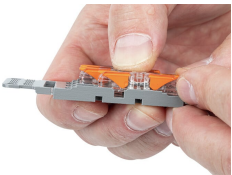## Installation Notes

Conductor termination

Push up the lever to open the clamping unit and insert the conductor.
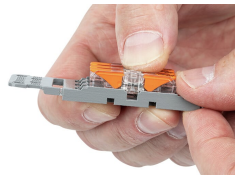
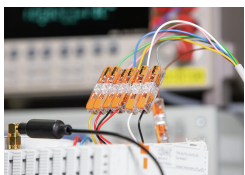Push the lever back down.

Installation

Place the inline splicing connector on the carrier in front of the mounting position.
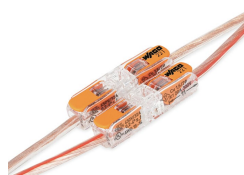
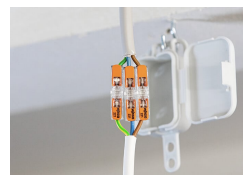Push the connector to the center position until it snaps into place.

Application

Perfect for test setups

Simple extension of lines

Lighting connection in suspended ceilings

Multi-pole, fixed lighting fixture wiring

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

Current addresses can be found at:: www.wago.com