Data Sheet | Item Number: 221-413

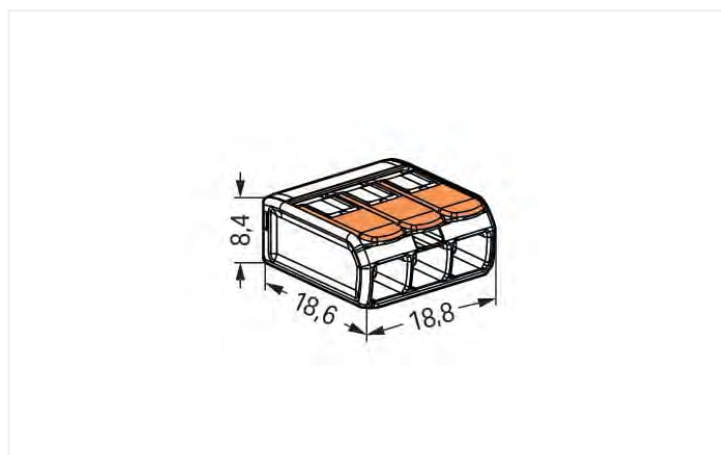COMPACT Splicing Connector; for all conductor types; max. 4 mm²; 3-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

https://www.wago.com/221-413

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 0.14 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

WAGO

Notes

Safety information 1	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) ≙ 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)	20 A

Connection data

Connection points	3
Total number of potentials	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Fine-stranded conductor	0.14 … 4 mm² / 24 … 12 AWG
Wiring direction	Side-entry wiring

Material Data

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

Environmental requirements

Temperature marking per EN 60998	T85

Commercial data

Product Group	7 (Push Wire Conn.)
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	DE
GTIN	4050821808442
Customs tariff number	85369010000

Approvals / Certificates

General approvals

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_Listed_64KA UL International Germany GmbH	UL 467	E201573
UL UL International Germany GmbH	UL 486C	E69654

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	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 221-413	↓

Documentation

Bid Text

221-413	19.02.2019	xml 3.43 KB	↓
221-413	23.01.2019	docx 15.29 KB	↓
ausschreiben.de 221-413			↓

CAD/CAE-Data

CAD data

2D/3D Models 221-413	↓

CAE data

EPLAN Data Portal 221-413	↓
ZUKEN Portal 221-413	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Empty housings

Item No.: 207-4301
Junction box; Branch; for multicore cables; 221 Series; max. 4 mm² connectors; without splicing connectors; white

1.1.1.2 Moisture protection

Item No.: 207-1331
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray

Item No.: 207-1333
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 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.: 221-500/000-006
Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; blue

Item No.: 221-500/000-053
Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow

Item No.: 221-500
Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; orange

Item No.: 221-503/000-004
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black

Item No.: 221-503
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; white

Item No.: 221-513/000-004
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; black

Item No.: 221-513
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; white

Item No.: 221-523/000-004
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; black
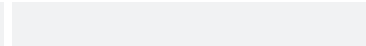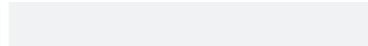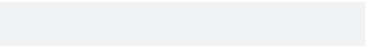
Item No.: 221-523
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; white

Version 17.12.2022

Installation Notes

Conductor termination

Application

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

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

Page   5/5   Version 17.12.2022