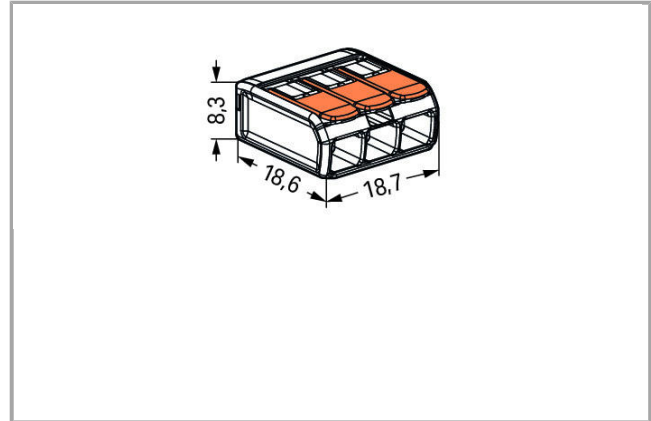


Data sheet | Item number: 221-413

COMPACT Splicing Connectors; 3-conductor connector; with operating levers; Max.ambient operating temp. 85 °C



www.wago.com/221-413



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)



Item description

Safety information 1:

In grounded power lines

Data

Electrical data



Ratings per IEC/EN 60664-1

Rated voltage (II / 2)	450 V
Rated impulse voltage (II / 2)	4 kV
Rated current	32 A

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross section	4 mm ²
Solid conductor	0.2 ... 4 mm ² / 24 ... 12 AWG
Stranded conductor	0.2 ... 4 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.14 ... 4 mm ² / 24 ... 12 AWG
Strip length	11 mm / 0.43 inch
Total number of connection points	3
Total number of potentials	1
Type of wiring	Side-entry wiring

Geometrical Data

Width	18.7 mm / 0.736 inch
Height	8.3 mm / 0.327 inch
Depth	18.6 mm / 0.732 inch

Material Data

Color	transparent
Flammability class per UL94	V2
Fire load	0.047 MJ
Weight	2.527 g

Environmental Requirements



Surrounding air (operating) temperature	85 °C
Continuous operating temperature	105 °C
T-Marking per EN 60998	T85

Commercial data




Product Group	7 (Push Wire Conn.)
Country of origin	DE
GTIN	4050821808442

Approvals / Certificates



Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60998	71- 101731
	CCA DEKRA Certification B.V.	EN 60998	NTR NL- 7642

Ship Approvals

Logo	Approval	Additional Approval Text	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	04/20013 (E6)

UL-Approvals




Logo	Approval	Additional Approval Text	Certificate name
 GROUNDED EQUIP 64KA	UL Underwriters Laboratories Inc.	UL 467	E201573
 WIRE CONNECTOR 667F	UL Underwriters Laboratories Inc.	UL 486C	E69654

Compatible products

Mounting adapter

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

www.wago.com/221-500

	<p>Item no.: 221-503 Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting</p>	<p>www.wago.com/221-503</p>
	<p>Item no.: 221-503/000-004 Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting</p>	<p>www.wago.com/221-503/000-004</p>
	<p>Item no.: 221-513 Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting</p>	<p>www.wago.com/221-513</p>
	<p>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</p>	<p>www.wago.com/221-513/000-004</p>
	<p>Item no.: 221-523 Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting</p>	<p>www.wago.com/221-523</p>
	<p>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</p>	<p>www.wago.com/221-523/000-004</p>
	<p>Item no.: 222-505 Strain relief plate; for mounting carrier; 221 or 222 Series, can be snapped</p>	<p>www.wago.com/222-505</p>
	<p>Item no.: 222-510 Angled DIN-rail adapter; in combination with mounting carrier; 221-500 or 222-500; for DIN-35 rail mounting</p>	<p>www.wago.com/222-510</p>

Downloads

CAD/CAE - Smart Data

CAD data

3D Download 221-413	URL	Download

Subject to changes.