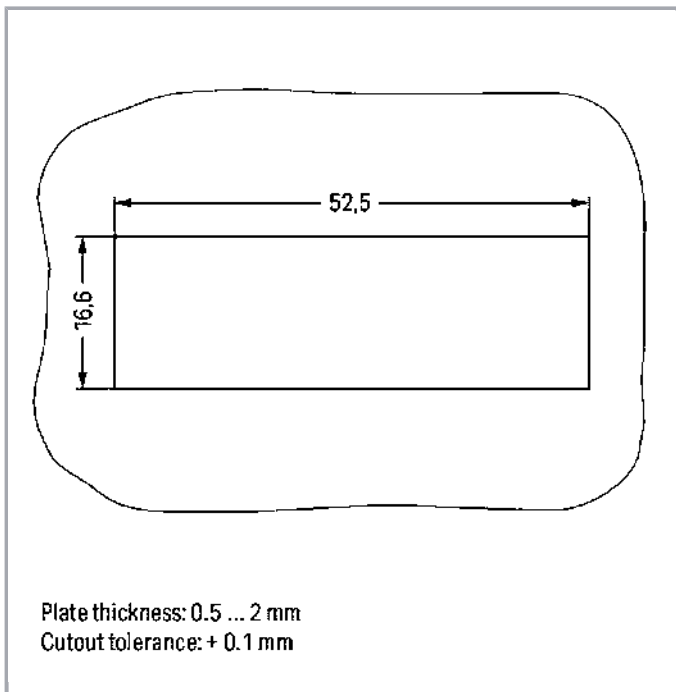
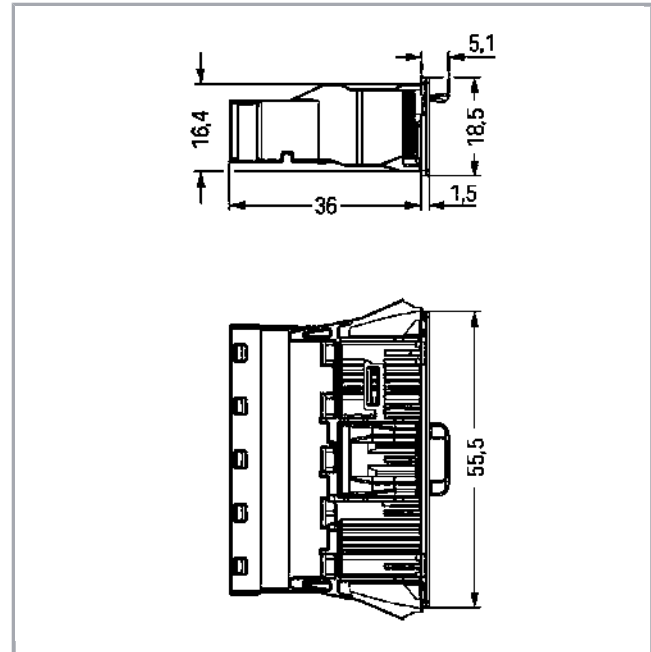
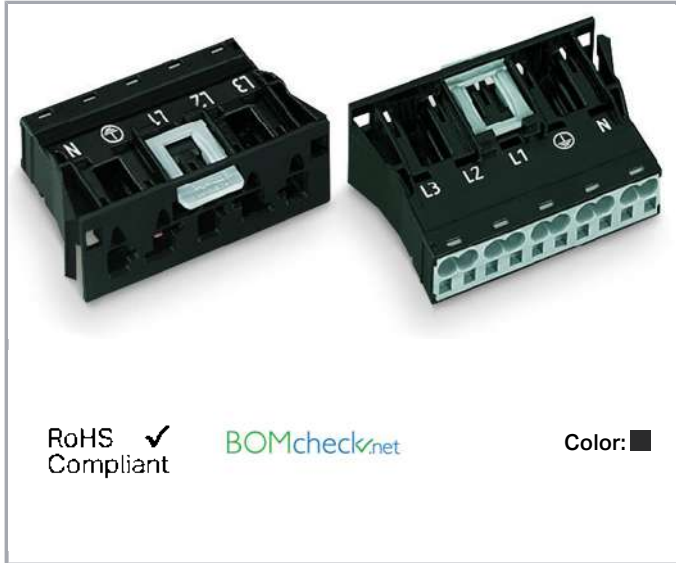


Data sheet | Item number: 770-715

Snap-in plug; 5-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-715



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

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Item description

- Protected against mismatching and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

Note:

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug /socket).

Note on mismatching protection:

All WINSTA® components are 100% protected against mismatching when:

- a.) plugging different numbers of poles
- b.) plugging while rotated 180
- c.) plugging while laterally staggered
- d.) plugging one pole

Safety information 1:

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Data

Electrical data

Note on Contact Resistance

approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	23 A

Connection data

Connection technology

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	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross section	4 mm²
Solid conductor	0,5 ... 4 mm² / 20 ... 12 AWG
Solid conductor, push-in termination	1,5 ... 4 mm² / 16 ... 12 AWG
Stranded conductor	0,5 ... 2,5 mm² / 20 ... 14 AWG
Fine-stranded conductor	0,5 ... 4 mm² / 20 ... 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0,25 ... 1,5 mm² / 20 ... 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0,25 ... 2,5 mm² / 20 ... 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1,5 mm² / 16 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	5
Total number of connection points	10
Total number of potentials	5
Ground function	with preceding ground contact
Conductor entry direction to mating direction	0°

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	55,5 mm / 2.185 inch
Height	18,5 mm / 0.728 inch
Depth	36 mm / 1.417 inch

Mechanical data

Coding	A
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load 100, with resistive load $I_N = 25$ A, tested (4 mm²/AWG 12)
Gehäuseblechstärke	0,5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in

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



Marking	N L1 L2 L3
Protection class	IP20
Note on protection class	Only when mated (these compact connectors are not designed for use in open, easily accessible areas).
Potential marking	N L1 L2 L3
Application	General mains applications

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductor
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

Material Data

Color	black
Insulating material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.398 MJ
Weight	19.3 g

Environmental Requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

Product Group	20 (WINSTA)
Packaging type	BOX
Country of origin	DE
GTIN	4055143375870
Customs Tariff No.	85366990990

Approvals / Certificates


Country specific Approvals

Certificate




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

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Logo	Approval	Additional Approval Text	name
	CCA DEKRA Certification B.V.	EN 61535	2173495.02





Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1868589-PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR Lloyds Register	IEC 61984	02/20050 (E6)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cULus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9

Counterpart

	Item no.770-105 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-105
	Item no.770-205 Socket; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-205
	Item no.770-405 Socket; 5-pole; Cod. A; 4,00 mm ² ; black	www.wago.com/770-405
	Item no.771-9995/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; black	www.wago.com/771-9995/006-101

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

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Item no. 770-305

Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-305

Item no. 771-9995/106-101

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; blackwww.wago.com/771-9995/106-101

Compatible products

protection



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

Item no.: 770-645

Lockout cap; 5-pole; for cutouts; Plastic; black

www.wago.com/770-645

Item no.: 770-695

Lockout cap; 5-pole; for cutouts; Plastic; white

www.wago.com/770-695

tools



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads

Documentation

Bid Text

770-715 GAEB X81 - Datei	Feb 19, 2019	xml 3.0 kB	Download
770-715 doc - Datei	Jun 8, 2015	doc 23.6 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 770-715	URL	Download
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CAE data

EPLAN Data Portal 770-715	URL	Download
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WSCAD Universe 770-715

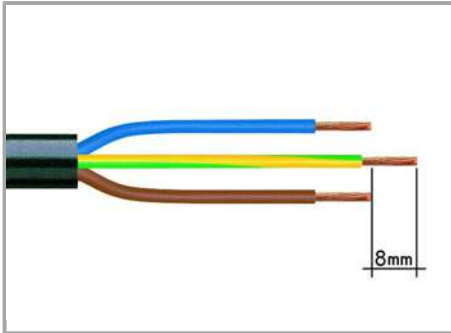
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Installation Notes

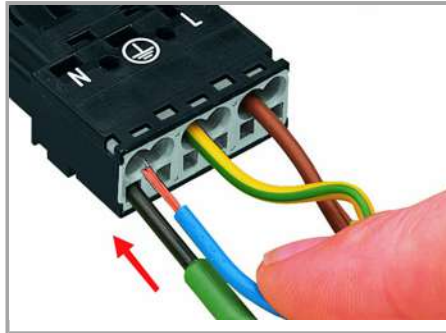
Conductor termination



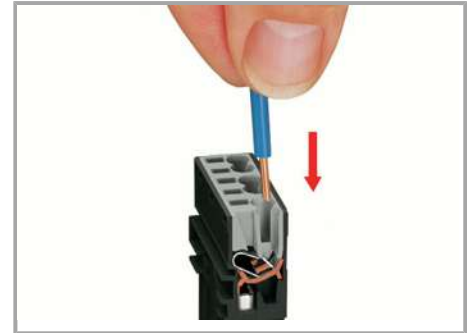
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

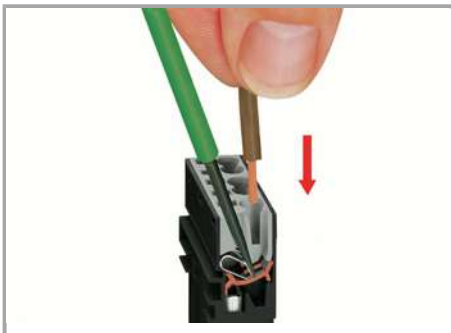
3. Extended ground conductor = 8 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.



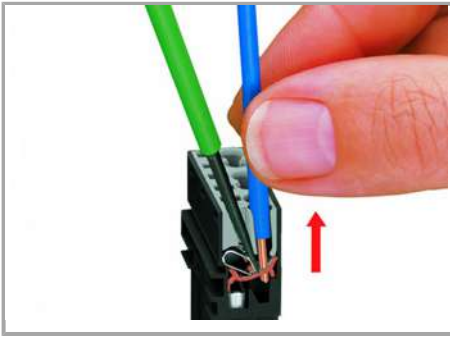
Insert stripped solid conductor until it hits backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.

Conductor removal

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



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.



Seal unused cutout with lockout cap.

Product family

WINSTA® MIDI

[Show all products from the family](#)

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