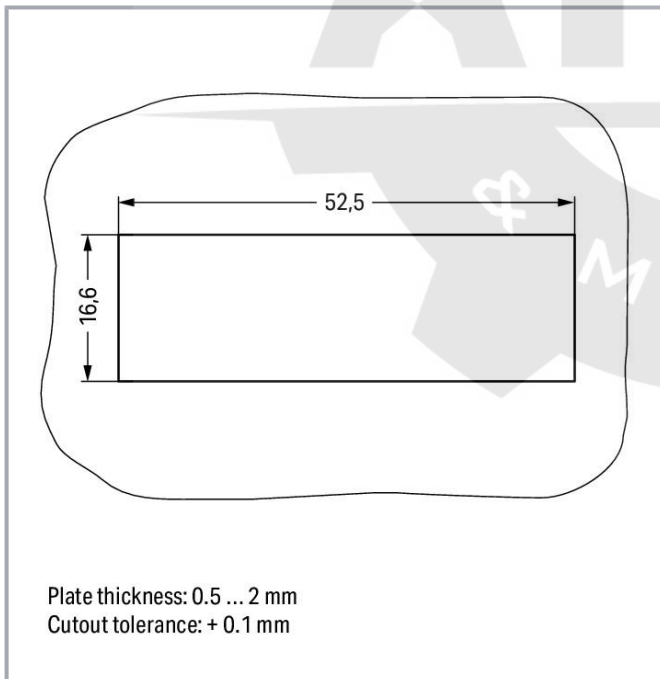
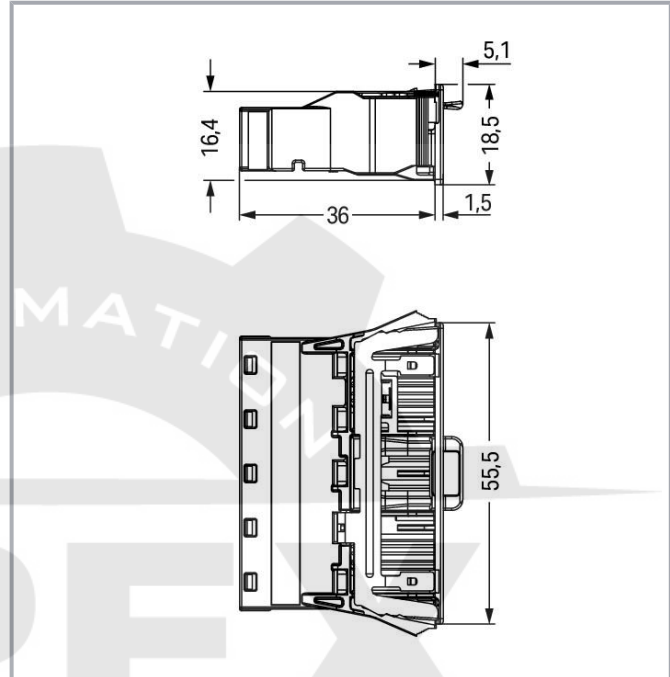
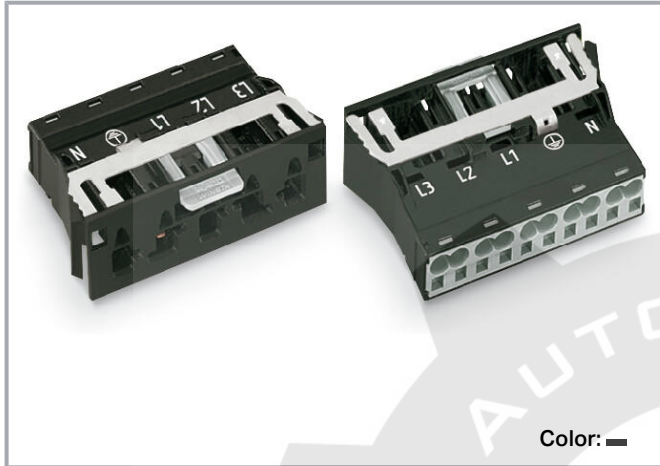


Data sheet | Item number: 770-715/007-000

WINSTA® through-panel plug (male); snap-in; N/G/L1/L2/L3 marking; 5-pole;
with direct ground contact; black

www.wago.com/770-715_007-000



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

WAGO Corporation
Germantown, WI 53022
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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 connections per pole for loops or bridges
- Additional variable coding is possible.

Data

Electrical data

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

IEC Approvals

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

Ratings per UL

Hinweis für den amerikanischen Markt	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.
Rated voltage UL 1977	600 V
Rated current UL 1977	23 A

Connection data

Connection technology	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 ... 12 AWG
Fine-stranded conductor	0.5 ... 4 mm² / 20 ... 12 AWG

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Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ² / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm ² / 16 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Pole No.	5
Total number of connection points	10
Total number of potentials	5
Ground function	preceding ground contact
Conductor entry direction to mating direction	0°

Physical 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

Application	General mains applications
Coding	A
Marking	N L1 L2 L3
Potential marking	N L1 L2 L3
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
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inch
Direct ground contact to DIN-rail/drilled hole/housing	1
Design	with direct ground contact
Mounting type	Snap-in
Protection class	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

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Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All WINSTA [®] components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	yes
Locking of plug-in connection	locking lever
Hinweis zur Verriegelung	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).

Material data

Color	black
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.399 MJ
Weight	21.6 g

Environmental requirements

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

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143594172
Customs tariff number	8536694040


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Approvals / Certificates


Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	2173495.02
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105

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
	cURus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9

Counterpart



Item no.770-105
 Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-105

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**Item no.770-205**Socket; 5-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-205**Item no.770-305**Socket; with strain relief housing; 5-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-305**Item no.770-405**Socket; 5-pole; Cod. A; 4,00 mm²; blackwww.wago.com/770-405**Required accessories****Cover****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**Optional accessories****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**

770-715/007-000

X81 - Datei

Feb 19, 2019

xml
3.0 kB

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770-715/007-000

doc - Datei

Jun 8, 2015

doc
24.1 kB

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CAD files**CAD data**

2D/3D Models 770-715/007-000

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CAE data

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EPLAN Data Portal 770-715/007-000	URL	Download
WSCAD Universe 770-715/007-000	URL	Download
ZUKEN Portal 770-715/007-000	URL	Download
WSCAD Universe 770-715/007-000	URL	Download
EPLAN Data Portal 770-715/007-000	URL	Download

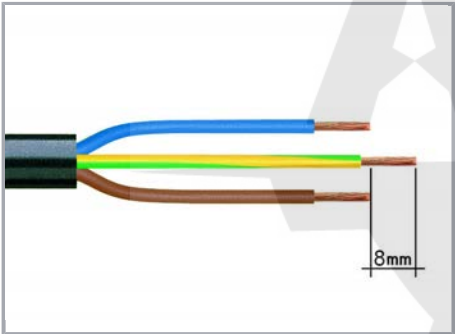
Environmental Product Compliance

Compliance Search

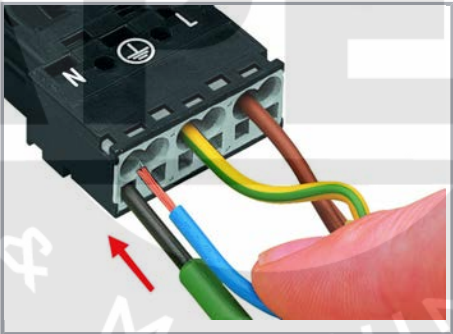
Environmental Product Compliance 770-715/007-000	URL	Download
Snap-in plug; with direct ground contact; 5-pole; Cod. A; 4,00 mm ² ; black		

Installation Notes

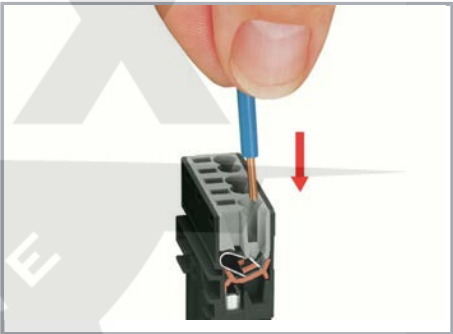
Conductor termination



- 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

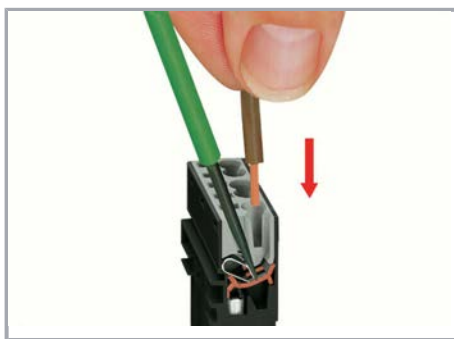


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



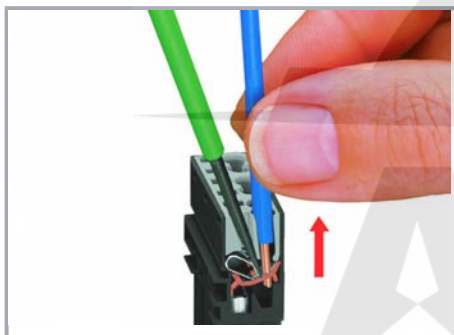
Insert the stripped solid conductor until it hits the backstop.

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

Conductor removal



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



Varnish-piercing direct ground contact

Product family

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<i>WINSTA</i>® MIDI

Show all products from the family



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