

Data sheet | Item number: 770-783

WINSTA® through-panel socket (female); snap-in; 1/2/3 marking; 3-pole; pink

www.wago.com/770-783

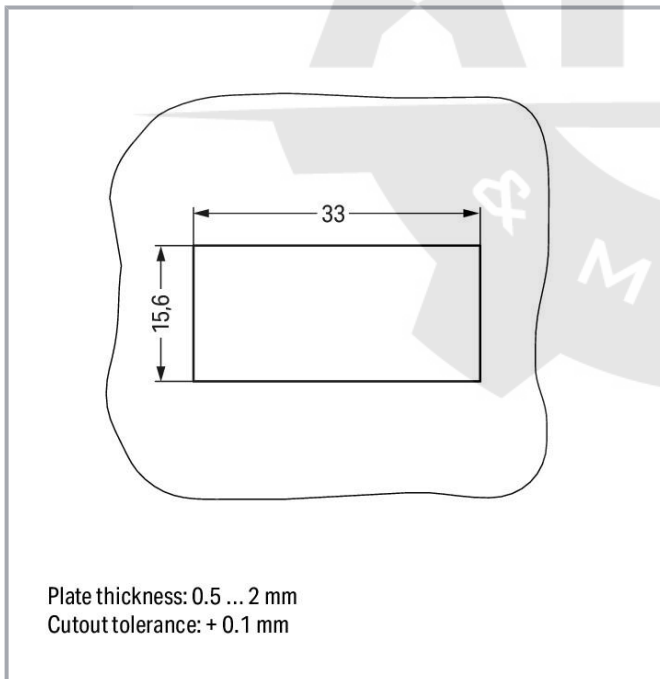
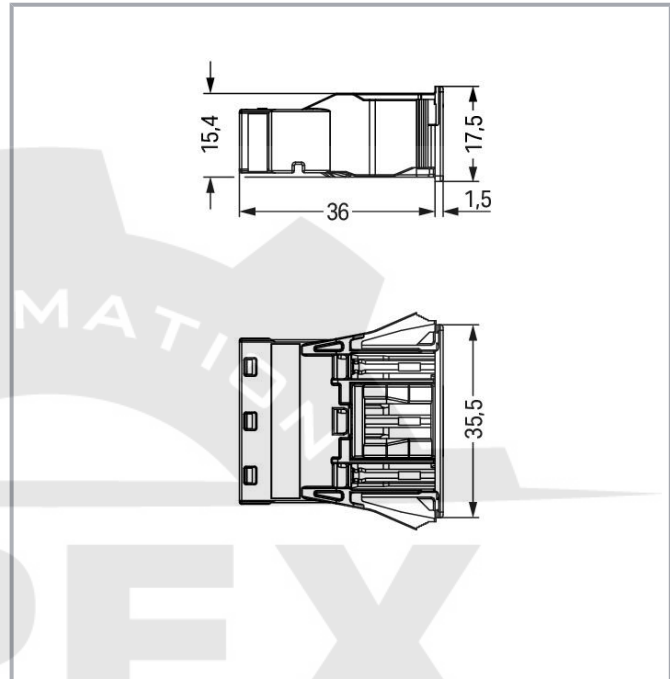
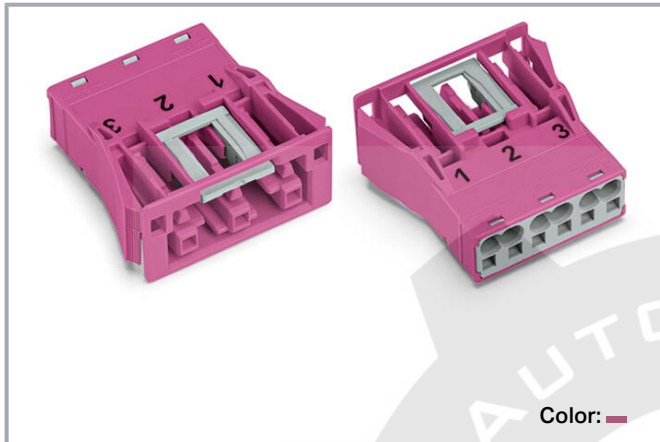


Plate thickness: 0.5 ... 2 mm
Cutout tolerance: + 0.1 mm

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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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.
- Components can be clearly printed on and color-coded to meet custom requirements.

Data

Electrical data

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

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 V
Rated surge voltage (III/3)	4 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

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Fine-stranded conductor	0.5 ... 4 mm ² / 20 ... 12 AWG
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.	3
Total number of connection points	6
Total number of potentials	3
Conductor entry direction to mating direction	0°

Physical data

Pin spacing	10 mm / 0.394 inch
Width	35.5 mm / 1.398 inch
Height	17.5 mm / 0.689 inch
Depth	36 mm / 1.417 inch

Mechanical data

Application	Measurement and regulation technology
Coding	B
Marking	1 2 3
Potential marking	1 2 3
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
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!)

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor

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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	pink
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.233 MJ
Weight	12.2 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

Product Group	20 (WINSTA)
Packaging type	BOX
Country of origin	DE
GTIN	4050821458203
Customs tariff number	8536694040

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	IEC 61984	NL-32104

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DEKRA Certification B.V.

CCA




EN 61984

2173495.01




DEKRA Certification B.V.




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.770-293 Plug; 3-pole; Cod. B; 4,00 mm ² ; pink	www.wago.com/770-293
	Item no.771-9993/005-107 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm ² ; pink	www.wago.com/771-9993/005-107
	Item no.771-9993/205-107 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm ² ; pink	www.wago.com/771-9993/205-107

Required accessories

Cover

Item no.: 770-201

www.wago.com/770-201

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Lockout cap; 12-pole, separable; 12-pole; for sockets; black



Item no.: 770-221

Lockout cap; for socket; 12-pole; separable; white

www.wago.com/770-221



Item no.: 770-643

Lockout cap; 3-pole; for cutouts; Plastic; black

www.wago.com/770-643



Item no.: 770-693

Lockout cap; 3-pole; for cutouts; Plastic; white

www.wago.com/770-693

Tools



Item no.: 770-383

Operating tool; 3-way; green

www.wago.com/770-383

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

Item no.	Date	File type	Size	Action
770-783	Feb 19, 2019	xml	3.0 kB	Download
X81 - Datei				

Item no.	Date	File type	Size	Action
770-783	Jun 8, 2015	doc	24.1 kB	Download
doc - Datei				

CAD files

CAD data

Item no.	File type	Action
2D/3D Models 770-783	URL	Download

CAE data

Item no.	File type	Action
EPLAN Data Portal 770-783	URL	Download

Item no.	File type	Action
WSCAD Universe 770-783	URL	Download

Item no.	File type	Action
ZUKEN Portal 770-783	URL	Download

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Environmental Product Compliance

Compliance Search

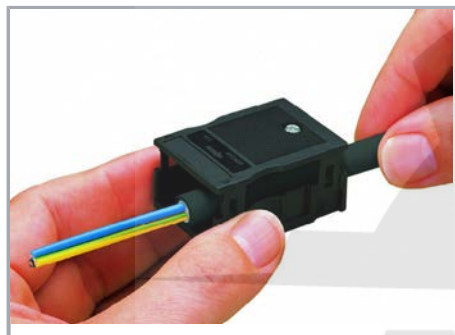
Environmental Product Compliance 770-783

URL

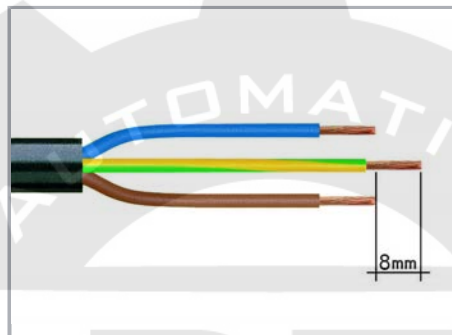
Download

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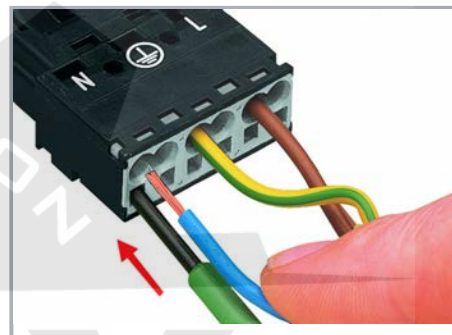
Installation Notes



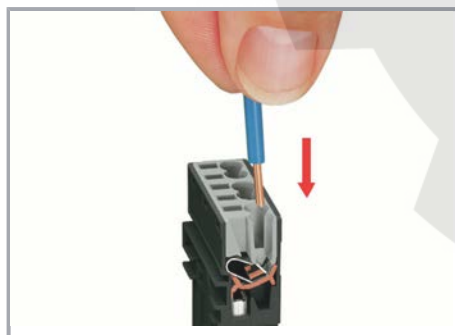
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



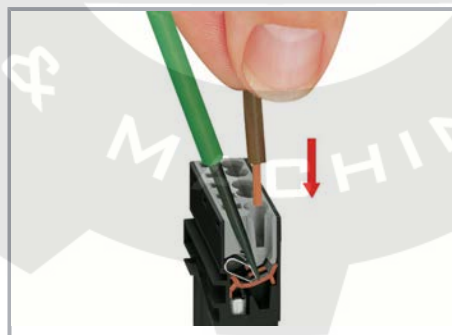
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



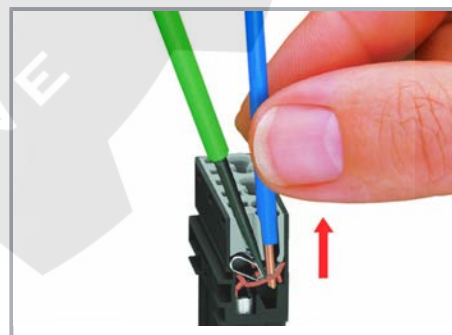
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



Insert the stripped solid conductor until it hits the backstop.



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.



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

Product family

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<i>WINSTA</i>® MIDI

[Show all products from the family](#)



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