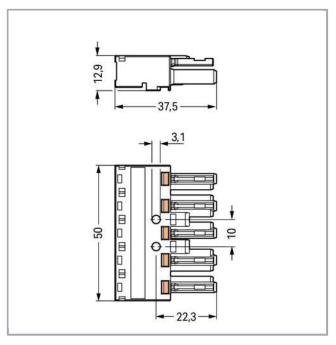
Socket; 5-pole; Cod. B; 4,00 mm²; gray

www.wago.com/770-245_064-000







Item description

- Protected against mismating 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
- Components can be clearly printed on and color-coded to meet custom requirements

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 mismating protection:

All WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles

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

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- 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 $approx.\ 1\ m\Omega\ of\ contact\ resistance\ approx.\ 0.25\ m\Omega\ contact\ transition\ plug/socket$

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	Push-in CAGE CLAMP®
Actuation type	Operating tool
	Push-in
Nominal cross section	4 mm ²
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

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Total number of connection points	10
Total number of potentials	5
Conductor entry direction to mating direction	0°

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	50 mm / 1.969 inch
Height	12,9 mm / 0.508 inch
Depth	37,5 mm / 1.476 inch

Mechanical data

Coding	В
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 mm ² /AWG 12)

Marking	N L 2L 1L
Protection class	IP20
Note on protection class	In mated condition with strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	N L 2L 1L

Plug connection

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

Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.273 MJ
Weight	16.1 g

Environmental Requirements

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

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821486268
Customs Tariff No.	85366990990

Approvals / Certificates

UL-Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
c SN °us	Underwriters Laboratories Inc.		Sec. 9

Counterpart

I HAVE	Item no.770-855/011-000/064-000 Plug for PCBs; angled; 5-pole; Cod. B; gray	www.wago.com/770-855/011-000/064-000
	Item no.770-255/064-000 Plug; 5-pole; Cod. B; 4,00 mm²; gray	www.wago.com/770-255/064-000
District Property	Item no.770-755/064-000 Snap-in plug; 5-pole; Cod. B; 4,00 mm²; gray	www.wago.com/770-755/064-000
	Item no.770-855/064-000 Plug for PCBs; straight; 5-pole; Cod. B; gray	www.wago.com/770-855/064-000

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Compatible products

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A	Item no.: 210-719		
	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719	
Strain relief p	late		
	Item no.: 770-505	MANAY M/200 COM/770-505	
	Strain relief housing; 5-pole; for 2 cables; 9.0 13.0 mm; 55 mm; black	www.wago.com/770-505	
	Item no.: 770-505/021-000	www.wago.com/770-505	
	Strain relief housing; 5-pole; for 1 cable; 11.5 16.5 mm; 71 mm; black	/021-000	
	Item no.: 770-505/023-000	www.wago.com/770-505	
	Strain relief housing; 5-pole; for 2 cables; 5.0 9.0 mm; 55 mm; black	/023-000	
	Item no.: 770-515	www.wago.com/770-515	
	Strain relief housing; 5-pole; for 2 cables; 9.0 13.0 mm; 55 mm; white		
	Item no.: 770-515/021-000	www.wago.com/770-515	
	Strain relief housing; 5-pole; for 1 cable; 11.5 16.5 mm; 71 mm; white	/021-000	
	Item no.: 770-515/023-000	www.wago.com/770-515	
	Strain relief housing; 5-pole; for 2 cables; 5.0 9.0 mm; 55 mm; white	/023-000	
ocking lever			
	Item no.: 770-101	www.wago.com/770-101	
	Locking lever; for flying leads; for manual operation; black	www.wago.com///o ToT	
	Item no.: 770-111	www.wago.com/770-111	
	Locking lever; for flying leads; for tool operation; black	**************************************	
67	Item no.: 770-121	www.wago.com/770-121	
1/6	Locking lever; for flying leads; for manual operation; white	www.wago.com/770-121	
di.	Item no.: 770-131	www.wago.com/770-131	
100	Locking lever; for flying leads; for tool operation; white	www.wago.com///0-131	
larking acce	ssories		
	Item no.: 770-450	www.wago.com/770-450	
-	Marker card; Plastic; white	www.wago.com/770-450	

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Item no.: 770-450/000-001 Marker card; Plastic; white

www.wago.com/770-450 /000-001



Item no.: 770-450/000-002 Marker card; Plastic; white www.wago.com/770-450 /000-002



Item no.: 770-450/000-005 Marker card; Plastic; white www.wago.com/770-450 /000-005



Item no.: 770-450/000-006 Marker card; Plastic; white

www.wago.com/770-450 /000-006



Item no.: 770-450/000-012 Marker card; Plastic; white

www.wago.com/770-450

/000-012

protection

1

Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets; black

www.wago.com/770-201



Item no.: 770-221

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

www.wago.com/770-221

Downloads Documentation

Bid Text

770-245/064-000 doc - Datei	Jun 8, 2015	doc 24.6 kB	Download
770-245/064-000	Feb 19, 2019	xml	Download
GAEB X81 - Datei		3.0 kB	

CAD/CAE-Data

CAD data

2D/3D Models 770-245/064-000 URL Download

CAE data

WSCAD Universe 770-245/064-000 URL Download

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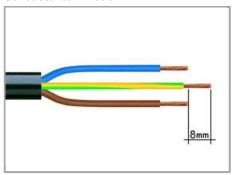
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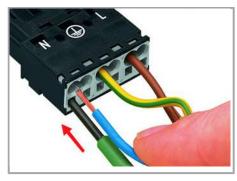


Installation Notes

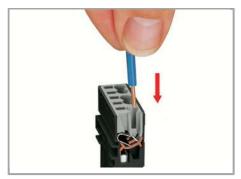
Conductor termination



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



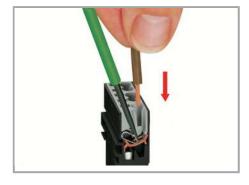
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.



Insert stripped solid conductor until it hits backstop.

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.

Conductor removal

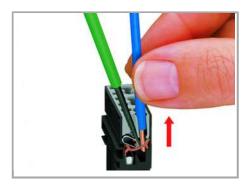
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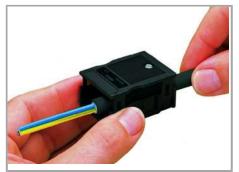
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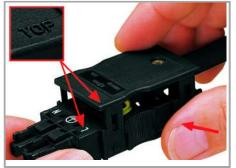


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

Installation



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.



Latch the strain relief housing on the plug /socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.



Tighten strain relief screw via screwdriver (2.5 mm blade width).

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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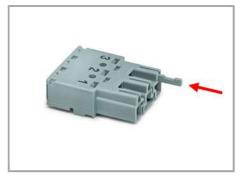
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Coding



Simply cut off the coding pin from the socket.

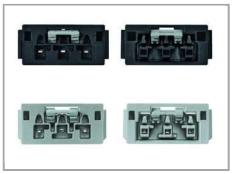


Insert coding pin into plug (break first) until it engages.

Mismating protection



B-coded connectors with different colors can be plugged together.



B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.



Easy circuit identification via different marking and colors

Important note:

Different colors and/or pole marking are used for circuit identification.

Only connectors of the same color and same pole marking must be plugged together.

Product family

<i>WINSTA</i>
MIDI special
Show all products from the family

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