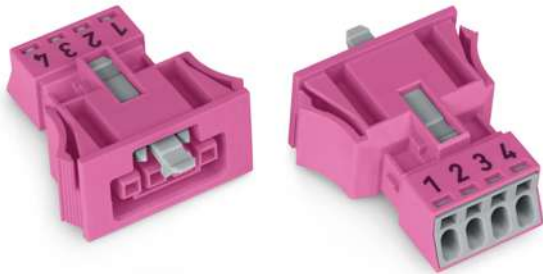


## Data sheet | Item number: 890-784

Snap-in socket; 4-pole; Cod. B; 1,50 mm<sup>2</sup>; pink

[www.wago.com/890-784](http://www.wago.com/890-784)



RoHS Compliant

BOMcheck.net

Color:

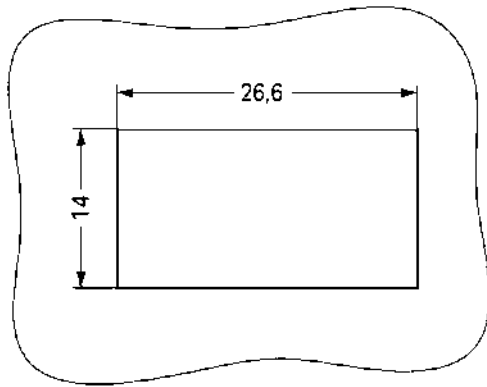
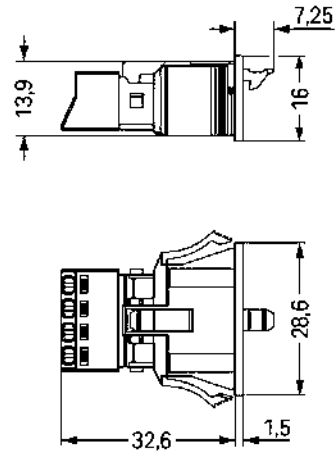


Plate thickness: 0.5 ... 2 mm  
Cutout tolerance: + 0.1 mm

### 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
- Compact design with 4.4 mm pole spacing

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

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- Components can be clearly printed on and color-coded to meet custom requirements
- When assembled, the installation connectors complies with IP40 and are suitable for easily accessible areas

**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:

- plugging different numbers of poles
- plugging while rotated 180
- plugging while laterally staggered
- 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 5 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	16 A
Note on rated current	13 A for 3-pole load 10 A for 4-pole load
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)	12 A

**Connection data**

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross section	1,5 mm²

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Solid conductor	0,25 ... 1,5 mm <sup>2</sup> / 22 ... 16 AWG
Solid conductor, push-in termination	0,75 ... 1,5 mm <sup>2</sup> / 20 ... 16 AWG
Stranded conductor	0,25 ... 1 mm <sup>2</sup> / 22 ... 18 AWG
Fine-stranded conductor	0,25 ... 1,5 mm <sup>2</sup> / 22 ... 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0,25 ... 0,75 mm <sup>2</sup> / 22 ... 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0,25 ... 0,75 mm <sup>2</sup> / 22 ... 20 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0,75 mm <sup>2</sup> / 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	4
Total number of connection points	4
Total number of potentials	4
Conductor entry direction to mating direction	0°

## Geometrical Data

Pin spacing	4,4 mm / 0.173 inch
Width	28,6 mm / 1.126 inch
Height	16 mm / 0.63 inch
Depth	39,8 mm / 1.567 inch

## Mechanical data

Coding	B
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 $I_N = 16$ A, tested (1.5 mm <sup>2</sup> /16 AWG)
Gehäuseblechstärke	0,5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Marking	1 2 3 4
Protection class	IP40
Potential marking	1 2 3 4

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



## 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	yes

## Material Data

Color	pink
Insulating material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.167 MJ
Weight	7.4 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	PL
GTIN	4055143428071
Customs Tariff No.	85366990990

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	EN 61984	71-100413
	<b>CCA</b>	EN 60320	2148952.04

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DEKRA Certification B.V.



## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>LR</b> Lloyds Register	EN 61535	08/20047 (E2)

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171

## Counterpart



**Item no.890-294**  
Plug; 4-pole; 1,50 mm<sup>2</sup>; pink

[www.wago.com/890-294](http://www.wago.com/890-294)

**Item no.891-8994/005-107**  
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; pink

[www.wago.com/891-8994/005-107](http://www.wago.com/891-8994/005-107)

**Item no.891-8994/205-107**  
pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; pink

[www.wago.com/891-8994/205-107](http://www.wago.com/891-8994/205-107)

## Compatible products

## protection



**Item no.: 890-644**  
Lockout cap; 4-pole; for cutouts; Plastic; black

[www.wago.com/890-644](http://www.wago.com/890-644)

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



Item no.: 890-694

Lockout cap; 4-pole; for cutouts; Plastic; white

[www.wago.com/890-694](http://www.wago.com/890-694)

## tools



Item no.: 210-719

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

[www.wago.com/210-719](http://www.wago.com/210-719)

Item no.: 890-384

Operating tool; 4-way; green

[www.wago.com/890-384](http://www.wago.com/890-384)

## Downloads

## Documentation

## Bid Text

890-784 GAEB X81 - Datei	Feb 19, 2019	xml 3.0 kB	Download
890-784 doc - Datei	Jun 8, 2015	doc 23.6 kB	Download

## CAD/CAE-Data

## CAD data

2D/3D Models 890-784	URL	Download
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## CAE data

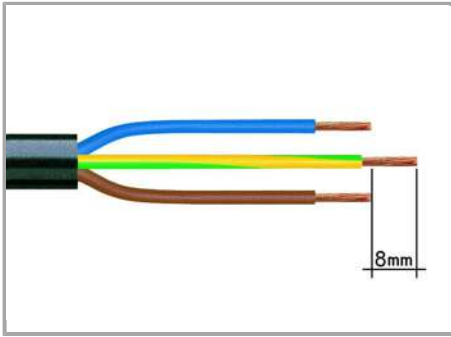
EPLAN Data Portal 890-784	URL	Download
WSCAD Universe 890-784	URL	Download

## Installation Notes

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

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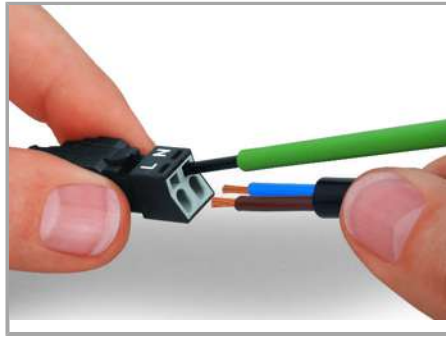
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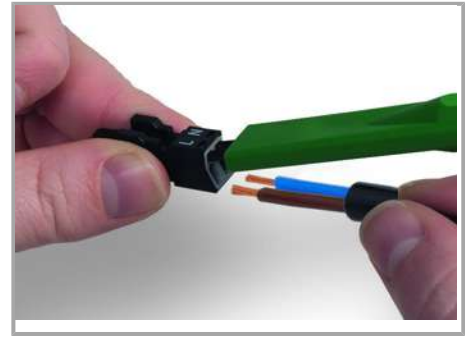
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm



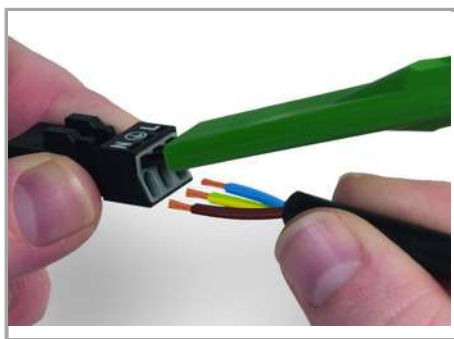
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop. Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

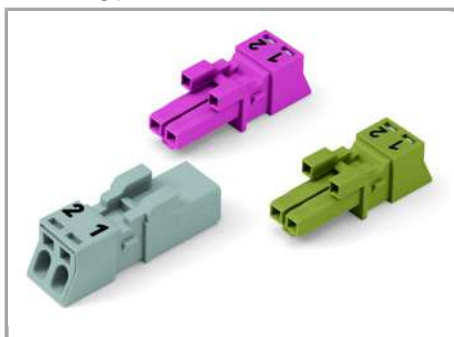
Subject to changes. Please also observe the further product documentation!



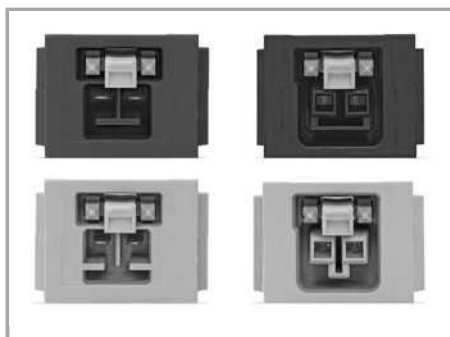
To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

Terminate solid conductors by simply pushing them in.

#### Mismatching 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.



#### 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>® MINI special**

[Show all products from the family](#)

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