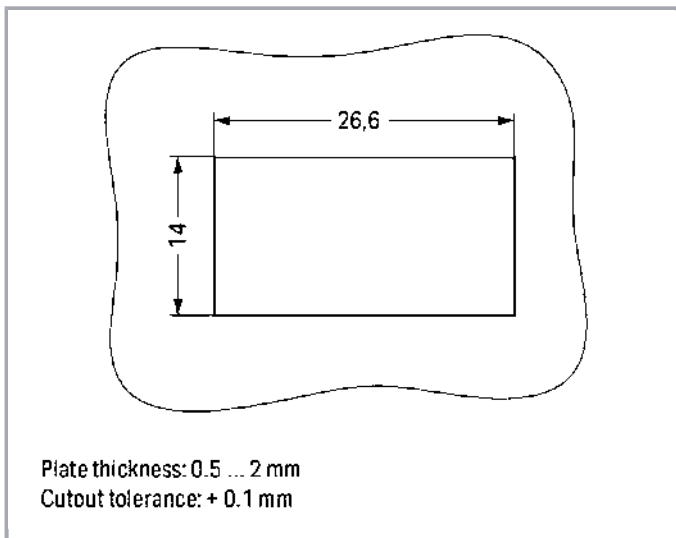
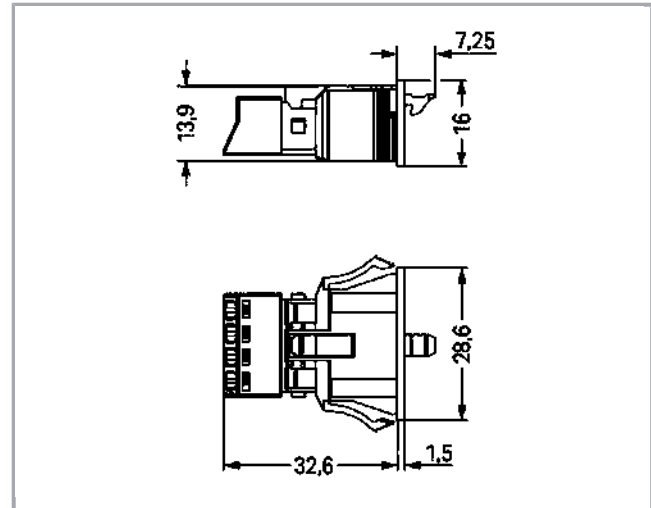
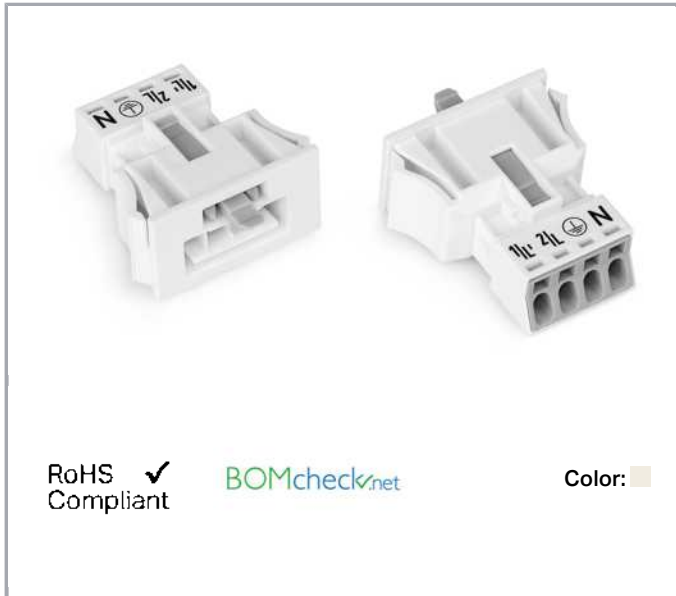


## Data sheet | Item number: 890-734

Snap-in plug; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; white

[www.wago.com/890-734](http://www.wago.com/890-734)



### 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!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



- 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<sup>®</sup> 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  |
| 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 <sup>®</sup>              |
| Actuation type                       | Operating tool<br>Push-in                    |
| Nominal cross section                | 1,5 mm <sup>2</sup>                          |
| 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 |

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

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



|   |   |
|---|---|
| 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   |
| Ground function   | with preceding ground contact                 |
| 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                                  | 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<br>100, with resistive load $I_N = 16$ A, tested (1.5mm <sup>2</sup> /AWG 16) |
| Gehäuseblechstärke                      | 0,5 ... 2 mm / 0.02 ... 0.079 inch  |
| Mounting type                           | Snap-in   |
| Marking                                 | N 2/L 1/L'  |
| Protection class                        | IP20  |
| Note on protection class                | IP40 when mated   |
| Potential marking                       | N 2/L 1/L'  |
| Application                             | General mains applications  |

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



## 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                    | white                                    |
| Insulating material      | Polyamide 66 (PA 66)                     |
| Clamping spring material | Chrome nickel spring steel (CrNi)        |
| Contact material         | Copper or copper alloy (surface-treated) |
| Fire load                | 0.161 MJ                                 |
| Weight                   | 8.1 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               | 4045454233556 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals




| Logo   | Approval                        | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 61535                 | 71-<br>102984    |

### Ship Approvals


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

WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.

| Logo  | Approval  | Additional Approval Text | Certificate name |
|---|---|--------------------------|------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | Steel Vessel Rules       | 19-HG1869855-PDA |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6       |
|  | <b>LR</b><br>Lloyds Register                            | EN 61535                 | 08/20047 (E2)    |

## UL-Approvals

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

## Counterpart



**Item no.890-124**  
Socket; with strain relief housing; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; white

[www.wago.com/890-124](http://www.wago.com/890-124)



**Item no.890-224**  
Socket; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; white

[www.wago.com/890-224](http://www.wago.com/890-224)



**Item no.891-8994/006-102**  
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/891-8994/006-102](http://www.wago.com/891-8994/006-102)



**Item no.891-8994/106-102**  
pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/891-8994/106-102](http://www.wago.com/891-8994/106-102)

## Compatible products

## protection

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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



Item no.: 890-644

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

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

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

|                             |              |                |          |
|-----------------------------|--------------|----------------|----------|
| 890-734<br>doc - Datei      | Jun 8, 2015  | doc<br>23.6 kB | Download |
| 890-734<br>GAEB X81 - Datei | Feb 19, 2019 | xml<br>3.0 kB  | Download |

## CAD/CAE-Data

## CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 890-734 | URL | Download |
|----------------------|-----|----------|

## CAE data

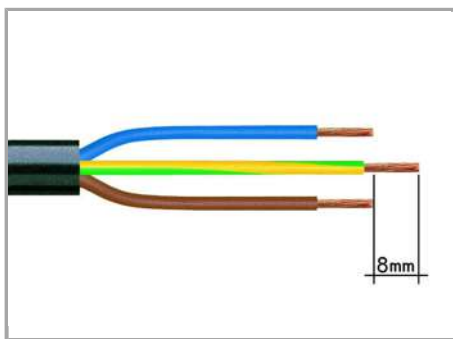
|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 890-734 | URL | Download |
| WSCAD Universe 890-734    | URL | Download |

## Installation Notes

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

WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

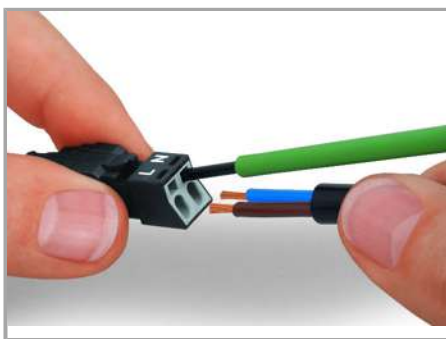
Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.



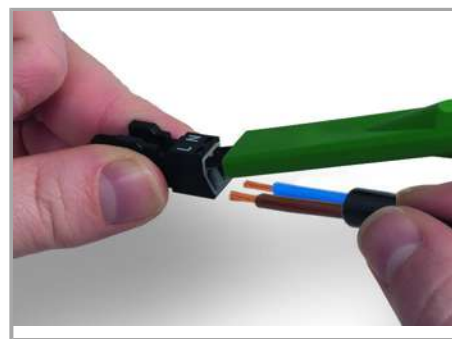
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm

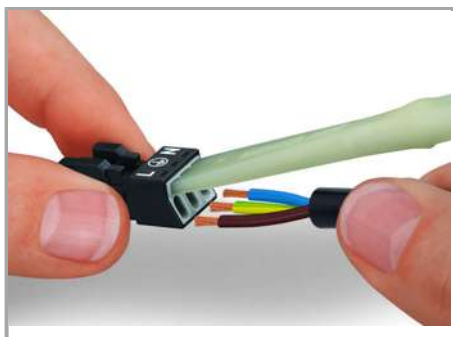


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop. Terminate solid conductors by simply pushing them in.



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.



## Product family

**<i>WINSTA</i>® MINI**

[Show all products from the family](#)

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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.