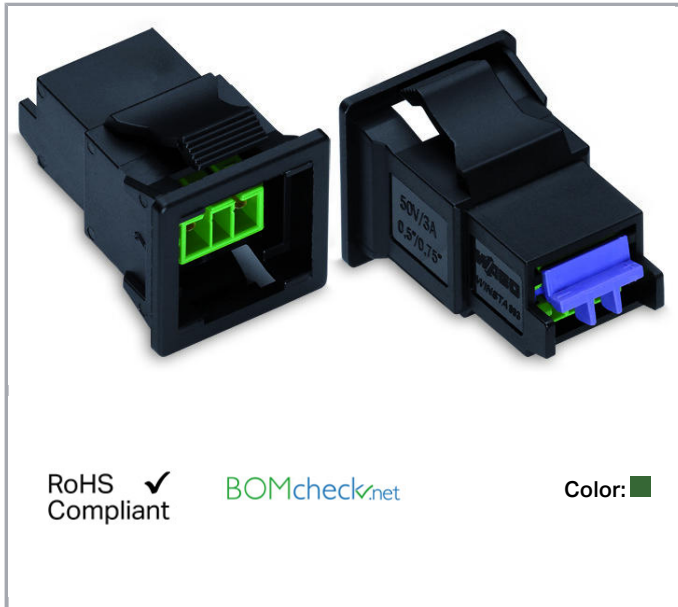


## Data sheet | Item number: 893-2002

Snap-in socket; without locking lever; 2-pole; Cod. E; green

[www.wago.com/893-2002](http://www.wago.com/893-2002)



RoHS  
Compliant ✓

[BOMcheck.net](https://www.bomcheck.net)

Color: ■

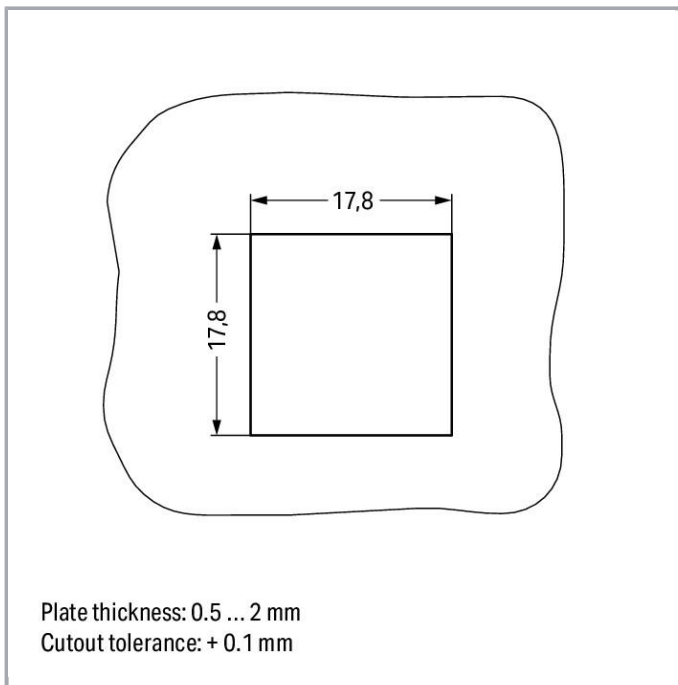
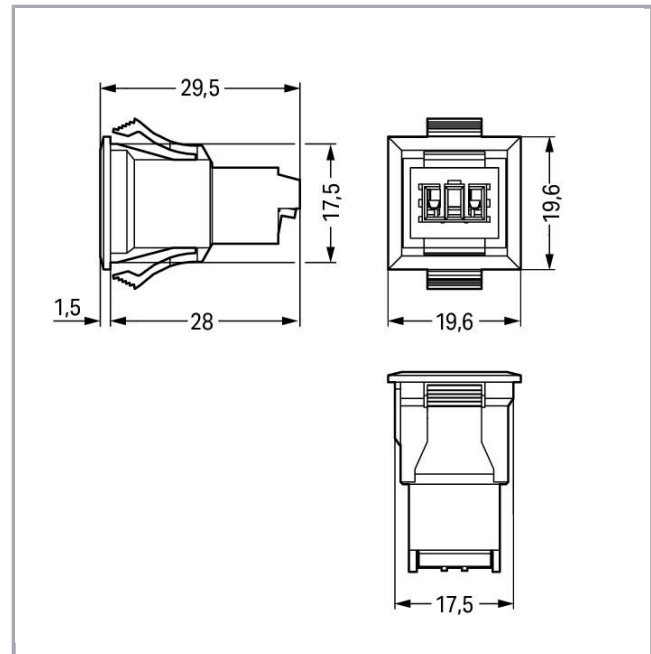


Plate thickness: 0.5 ... 2 mm  
Cutout tolerance: + 0.1 mm

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

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## Item description

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with mismatching protection

### 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:

- a.) plugging different numbers of poles
- b.) plugging while rotated 180
- c.) plugging while laterally staggered
- d.) plugging one pole

## Data

### Electrical data

Note on Contact Resistance

approx. 3mΩ contact resistance

### Ratings per IEC/EN 60664-1

| Ratings per                     | IEC/EN 60664-1  |
|---------------------------------|---|
| Rated voltage (III / 3)         | 50 V  |
| Rated impulse voltage (III / 3) | 0.8 kV  |
| Rated current                   | 3 A   |
| Legend (ratings)                | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

### Connection data

|                       |                                    |
|-----------------------|------------------------------------|
| Connection technology | PUSH WIRE <sup>®</sup>             |
| Actuation type        | Push-in                            |
| Conductor diameter    | 0,8 mm                             |
| Strip length          | 9 mm / 0.35 inch                   |
| Note (strip length)   | see also packaging or instructions |
| No. of poles          | 2                                  |

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|   |    |
|---|----|
| Total number of connection points             | 2  |
| Total number of potentials                    | 2  |
| Conductor entry direction to mating direction | 0° |

### Geometrical Data

|        |                      |
|--------|----------------------|
| Width  | 19,6 mm / 0.772 inch |
| Height | 19,6 mm / 0.772 inch |
| Depth  | 29,5 mm / 1.161 inch |

### Mechanical data

|   |  |
|---|--|
| Technologie                             | KNX  |
| Coding                                  | E  |
| Mating force of a plug-in connection    | approx. 10 ... 15 N  |
| Retention force of a plug-in connection | Locked: > 80 N   |
| Unmating force of a plug-in connection  | when unlocked: approx. 15 ... 20 N   |
| Number of mating cycles                 | 200  |
| Gehäuseblechstärke                      | 0,5 ... 2 mm / 0.02 ... 0.079 inch   |
| Mounting type                           | Snap-in  |
| Marking                                 | 1+ 2-  |
| Protection class                        | IP20   |
| Note on protection class                | Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |
| Potential marking                       | 1+ 2-  |
| Application                             | KNX  |

### 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                     |

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

## Material Data

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Color                               | green                             |
| Insulating material                 | Polyamide 66 (PA 66)              |
| Reaction to fire class per EN 50575 | E <sub>ca</sub>                   |
| Clamping spring material            | Chrome nickel spring steel (CrNi) |
| Contact material                    | Copper alloy (surface-treated)    |
| Weight                              | 3.6 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  | CH            |
| GTIN               | 4045454420130 |
| Customs Tariff No. | 85366990990   |

## Counterpart

|  |   |  |
|--|---|--|
|  | <b>Item no.894-8992/033-106</b><br>pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green | <a href="http://www.wago.com/894-8992/033-106">www.wago.com/894-8992/033-106</a> |
|  | <b>Item no.894-8992/233-106</b><br>pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green  | <a href="http://www.wago.com/894-8992/233-106">www.wago.com/894-8992/233-106</a> |
|  | <b>Item no.893-1012</b><br>Plug; with strain relief housing; 2-pole; Cod. E; green  | <a href="http://www.wago.com/893-1012">www.wago.com/893-1012</a>                 |

## Downloads

### CAD/CAE-Data

#### CAE data

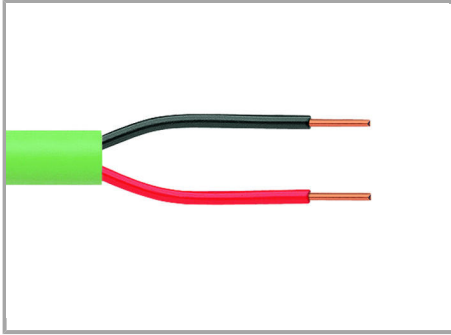
|                            |     |          |
|----------------------------|-----|----------|
| EPLAN Data Portal 893-2002 | URL | Download |
|----------------------------|-----|----------|

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

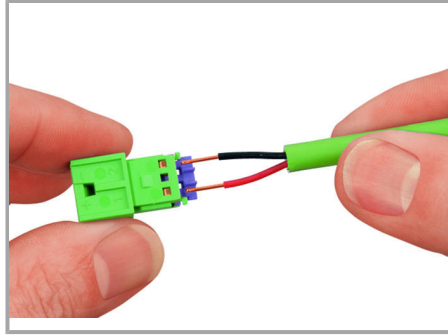
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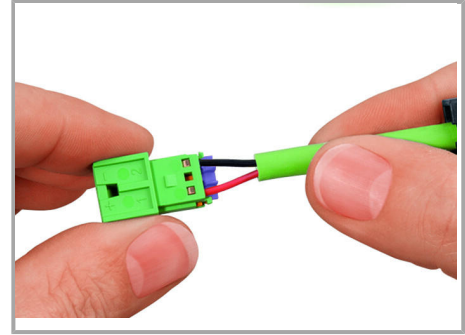
## Installation Notes



1. Strip length, outer insulation = 23 mm

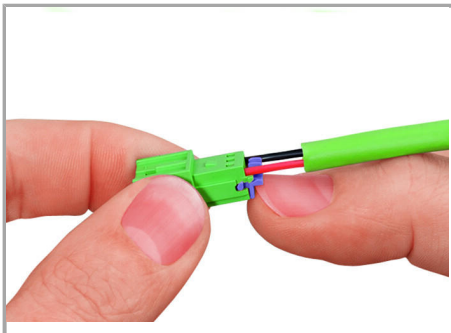


Insert stripped conductors directly into the conductor entries.



Push conductors until they hit backstop.

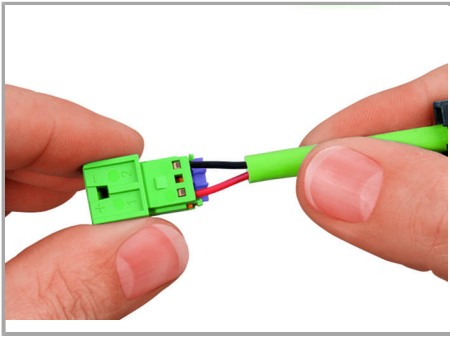
2. Strip length = 9 mm



To disconnect, open clamping unit using the actuator and pull out the conductor.

## Conductor removal

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



Push conductors until they hit backstop.

## Product family

**<i>WINSTA</i>® KNX**

[Show all products from the family](#)

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

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