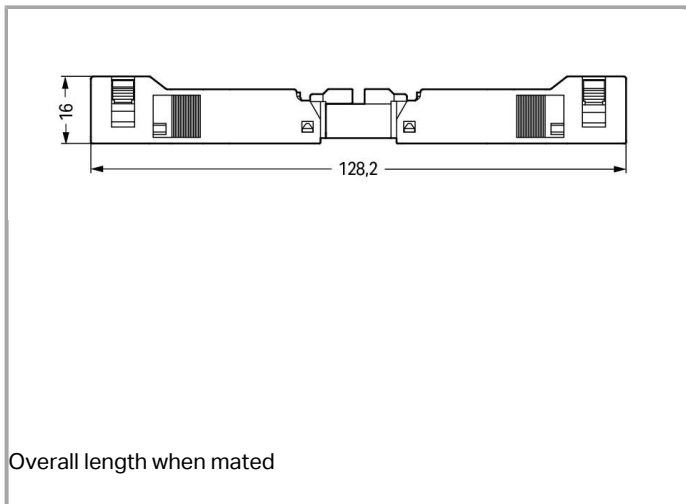
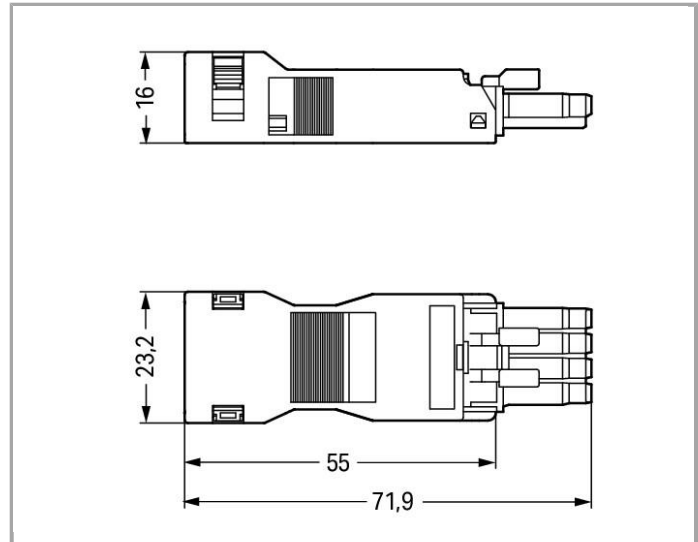
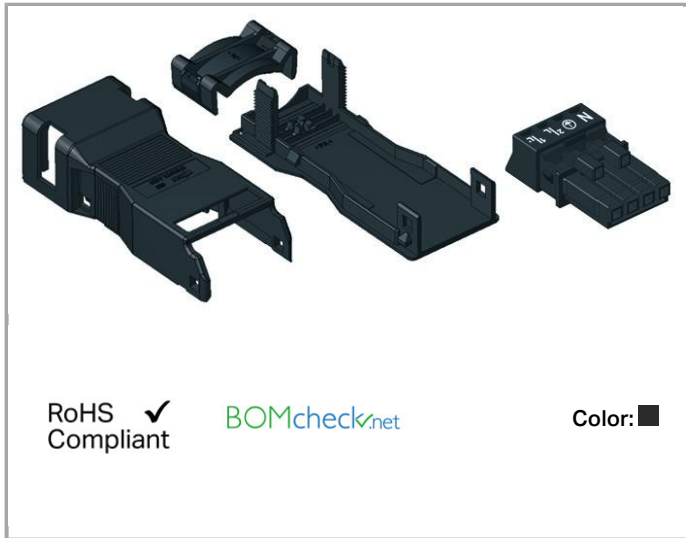


## Data sheet | Item number: 890-104

Socket; with strain relief housing; 4-pole; Cod. A

[www.wago.com/890-104](http://www.wago.com/890-104)



### Item description

#### 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).

### Data

#### Electrical data

## 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) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## Connection data

|                                                                 |                                               |
|-----------------------------------------------------------------|-----------------------------------------------|
| Connection technology                                           | Push-in CAGE CLAMP®                           |
| 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  |
| 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                                             |
| Connectable sheathed cable diameter                             | 6.5 ... 10.5 mm                               |
| Conductor entry direction to mating direction                   | 0°                                            |
| Abmantellänge                                                   | 45 mm                                         |

## Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 4.4 mm (0.173 inch)  |
| Width       | 23.2 mm / 0.913 inch |
| Height      | 16 mm / 0.63 inch    |
| Depth       | 71.9 mm / 2.831 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 | when locked: > 80N                                            |
| Unmating force of a plug-in connection  | when unlocked: approx. 20 ... 70 N (depending on pole number) |
| Marking                                 | N 2 L 1 L'                                                    |



|                      |            |
|----------------------|------------|
| Degree of protection | IP20       |
| Potential marking    | N 2/L 1/L' |

### Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductors          |
| Mismating protection               | Yes                     |
| Locking of plug-in connection      | locking lever           |
| Locking lever                      | no                      |
| Strain relief                      | Strain relief housing   |

### Material Data

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Color                       | black                                   |
| Insulating material         | Polyamide 66 (PA 66)                    |
| Flammability class per UL94 | V0                                      |
| Clamping spring material    | Chrome nickel spring steel (CrNi)       |
| Contact material            | Copper or copper alloy, surface-treated |
| Fire load                   | 0.268 MJ                                |
| Weight                      | 10.622 g                                |

### Environmental Requirements

|                                         |               |
|-----------------------------------------|---------------|
| Surrounding air (operating) temperature | -35 ... 85 °C |
|-----------------------------------------|---------------|

### Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4045454232863 |
| Customs Tariff No. | 85366990990   |
| Product Group      | 20 (WINSTA)   |

### Approvals / Certificates

#### Country specific Approvals

| Logo | Approval                        | Certificate name |
|------|---------------------------------|------------------|
|      | CCA<br>DEKRA Certification B.V. | 2182129.01       |
|      | CCA<br>DEKRA Certification B.V. | NL-35632         |

#### Ship Approvals

| Logo | Approval | Certificate name |
|------|----------|------------------|
|------|----------|------------------|



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TAE00001Z6

## UL-Approvals

| Logo                                                                             | Approval                            | Certificate name |
|----------------------------------------------------------------------------------|-------------------------------------|------------------|
|  | UL<br>UL International Germany GmbH | E45171           |

## Compatible products

### Locking lever

|                                                                                  |                                                                                   |                                                                |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 890-101</b><br>Locking lever; manually operated                      | <a href="http://www.wago.com/890-101">www.wago.com/890-101</a> |
|                                                                                  | <b>Item no.: 890-111</b><br>Locking lever; for tool operation; for "flying leads" | <a href="http://www.wago.com/890-111">www.wago.com/890-111</a> |
|  | <b>Item no.: 890-121</b><br>Locking lever; manually operated                      | <a href="http://www.wago.com/890-121">www.wago.com/890-121</a> |
|                                                                                  | <b>Item no.: 890-131</b><br>Locking lever; for tool operation; for "flying leads" | <a href="http://www.wago.com/890-131">www.wago.com/890-131</a> |

### assembling

|                                                                                    |                                                                                |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 890-310</b><br>Mounting carrier; for "flying leads"; 2- to 5-pole | <a href="http://www.wago.com/890-310">www.wago.com/890-310</a> |
|  | <b>Item no.: 890-311</b><br>Mounting carrier; for "flying leads"; 2- to 5-pole | <a href="http://www.wago.com/890-311">www.wago.com/890-311</a> |

### tools

|                                                                                    |                                                                                                         |                                                                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-719</b><br>Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |
|  | <b>Item no.: 890-384</b><br>Operating tool; 4-way                                                       | <a href="http://www.wago.com/890-384">www.wago.com/890-384</a> |

## Downloads

### Documentation

#### Bid Text

|                                |              |                |          |
|--------------------------------|--------------|----------------|----------|
| 890-104<br>WINSTA MINI 4-polig | Mar 15, 2016 | DOC<br>23.6 kB | Download |
|--------------------------------|--------------|----------------|----------|



smartDATA

CAD data

|                     |     |          |
|---------------------|-----|----------|
| 3D Download 890-104 | URL | Download |
|---------------------|-----|----------|

Subject to changes.