

## Data sheet | Item number: 832-1102/342-000

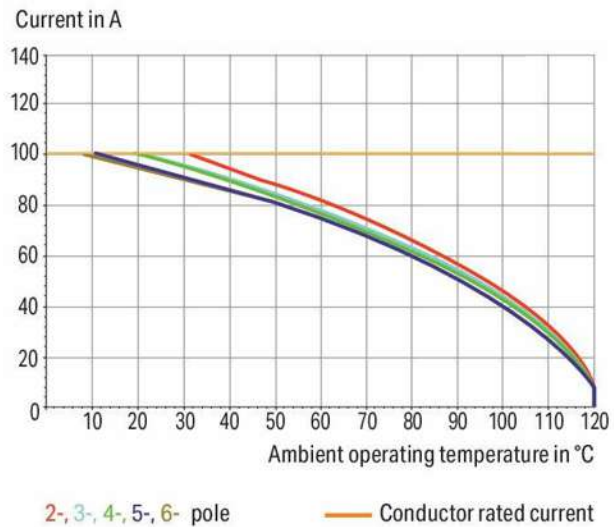
1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismating; Centered locking levers; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray

[www.wago.com/832-1102\\_342-000](http://www.wago.com/832-1102_342-000)



Color: —

**Derating Curve**  
1-conductor female connector (832-1102) with  
THT male header (832-3622)  
Pin spacing: 10.16 mm / Conductor cross-section: 25 mm² "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



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

WAGO Corporation  
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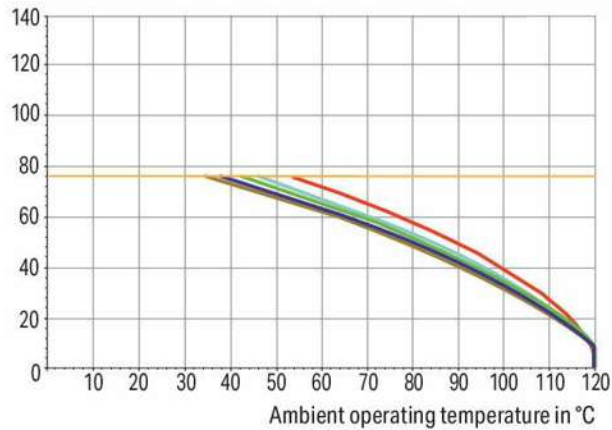
### Derating Curve

1-conductor female connector (832-1102) with  
THT male header (832-3622)

Pin spacing: 10.16 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"

Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



2-, 3-, 4-, 5-, 6- pole

Conductor rated current

Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.3 \text{ mm}$

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## Item description

- Intuitive and tool-free lever actuation
- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Test slot 0° and 90° to conductor entry
- 100% protected against mismatching
- Coding option available

## Data

### Notes

#### Safety information 1

The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected /disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Electrical data

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## IEC Approvals

|                             |  |
|-----------------------------|--|
| Ratings per                 | IEC/EN 60664-1   |
| Rated voltage (III / 3)     | 1000 V   |
| Rated surge voltage (III/3) | 8 kV   |
| Rated voltage (III/2)       | 1000 V   |
| Rated surge voltage (III/2) | 8 kV   |
| Nominal voltage (II/2)      | 1000 V   |
| Rated surge voltage (II/2)  | 8 kV   |
| Rated current               | 76 A   |
| Legend (ratings)            | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

## UL Approvals

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 66 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 66 A    |

## Ratings per UL

|                       |       |
|-----------------------|-------|
| Rated voltage UL 1977 | 600 V |
| Rated current UL 1977 | 85 A  |

## CSA Approvals

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 66 A  |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 66 A  |

## Connection data

|                            |   |
|----------------------------|---|
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels           | 1 |

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## Connection 1

|   |                                   |
|---|-----------------------------------|
| Connection technology                             | Push-in CAGE CLAMP®               |
| Actuation type                                    | Lever                             |
| Solid conductor                                   | 0.75 ... 16 mm² / 18 ... 4 AWG    |
| Fine-stranded conductor                           | 0.75 ... 25 mm² / 18 ... 4 AWG    |
| Fine-stranded conductor; with insulated ferrule   | 0.75 ... 16 mm²                   |
| Fine-stranded conductor; with uninsulated ferrule | 0.75 ... 16 mm²                   |
| Strip length                                      | 18 ... 20 mm / 0.71 ... 0.79 inch |
| Number of poles                                   | 2                                 |
| Conductor entry direction to mating direction     | 0°                                |

## Physical data

|             |                       |
|-------------|-----------------------|
| Pin spacing | 10.16 mm / 0.4 inch   |
| Width       | 21.62 mm / 0.851 inch |
| Height      | 36.1 mm / 1.42 inch   |
| Depth       | 89.8 mm / 3.535 inch  |

## Plug-in connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductor           |
| Mismating protection               | Yes                     |
| Locking of plug-in connection      | Center locking lever    |
| Strain relief                      | Strain relief plate     |

## Material data

|  |  |
|--|--|
| Color  | light gray                             |
| Material group                                       | I                                      |
| Insulation material                                  | Polybutylene terephthalate (PBT)       |
| Flammability class per UL94                          | V0                                     |
| Clamping spring material                             | Chrome nickel spring steel (CrNi)      |
| Material of the additional spring for socket contact | Chrome nickel spring steel (CrNi)      |
| Contact material                                     | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating                                      | silver-plated                          |
| Color of actuator                                    | orange                                 |
| Weight of insulation material                        | 11.3                                   |

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|        |        |
|--------|--------|
| Weight | 30.8 g |
|--------|--------|

## Environmental requirements


|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +120 °C |
|-------------------------|-----------------|

## Commercial data


|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 20 Stück      |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143969253 |
| Customs tariff number | 8536694040    |


## Approvals / Certificates


### UL-Approvals

| Logo   | Approval                             | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. | C22.2 No. 158            | E45172           |

## Counterpart

|   |  |  |
|---|--|--|
|  | <b>Item no.832-3602</b><br>THT male header; 1.2 x 1.2 mm solder pin; straight (90° to PCB); Pin spacing 10.16 mm; 2-pole | <a href="http://www.wago.com/832-3602">www.wago.com/832-3602</a> |
|---|--|--|

|   |  |  |
|---|--|--|
|  | <b>Item no.832-1202</b><br>Male connector; Push-in CAGE CLAMP with operating lever; AWG 18 - 4; Pin spacing 10.16 mm; 2-pole | <a href="http://www.wago.com/832-1202">www.wago.com/832-1202</a> |
|---|--|--|

|   |   |  |
|---|---|--|
|  | <b>Item no.832-3622</b><br>THT male header; 1.2 x 1.2 mm solder pin; angled (0° to PCB); Pin spacing 10.16 mm; 2-pole | <a href="http://www.wago.com/832-3622">www.wago.com/832-3622</a> |
|---|---|--|

|  |  |
|--|--|
| <b>Item no.832-3642</b><br>THT male header; 1.2 x 1.2 mm solder pin; reversed angled (180° to PCB); Pin spacing 10.16 mm; 2-pole | <a href="http://www.wago.com/832-3642">www.wago.com/832-3642</a> |
|--|--|

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## Optional accessories

### Ferrules

| Ferrule   |  |  |
|---|--|--|
|  | <b>Item no.: 216-210</b><br>Ferrule; Sleeve for 16 mm <sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue    | <a href="http://www.wago.com/216-210">www.wago.com/216-210</a> |
|  | <b>Item no.: 216-284</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-284">www.wago.com/216-284</a> |
|  | <b>Item no.: 216-286</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a> |
|  | <b>Item no.: 216-287</b><br>Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray    | <a href="http://www.wago.com/216-287">www.wago.com/216-287</a> |
|  | <b>Item no.: 216-288</b><br>Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow  | <a href="http://www.wago.com/216-288">www.wago.com/216-288</a> |
|  | <b>Item no.: 216-289</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-289">www.wago.com/216-289</a> |

### Coding

| Coding   |  |  |
|--|--|--|
|  | <b>Item no.: 832-500</b><br>Coding key carrier; orange | <a href="http://www.wago.com/832-500">www.wago.com/832-500</a> |

## Downloads

### Documentation

#### Additional Information

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Technical explanations | 2019 Apr 3 | pdf<br>2.0 MB | Download |
|------------------------|------------|---------------|----------|

## Environmental Product Compliance

### Compliance Search

|   |     |          |
|---|-----|----------|
| Environmental Product Compliance 832-1102/342-000   | URL | Download |
| 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm <sup>2</sup> ; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Centered locking levers; Strain relief plate; Silver-plated contacts; 16,00 mm <sup>2</sup> ; light gray |     |          |

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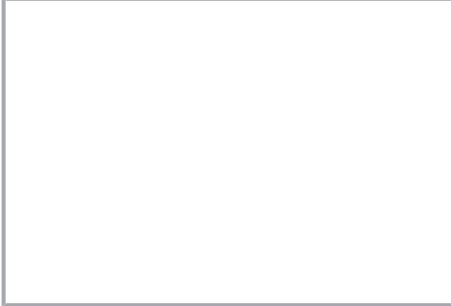
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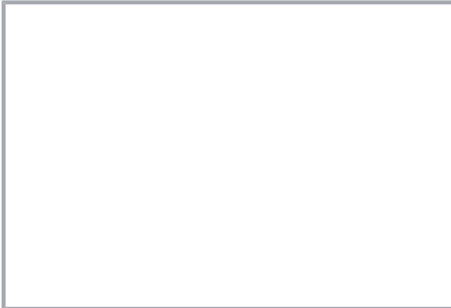
## Installation Notes

### Conductor termination



Insert solid or ferruled conductors via push-in termination

### Conductor termination



Insert fine-stranded conductors and remove all conductors via lever

## Product family

*MCS* MAXI 16

[Show all products from the family](#)

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