

**Data sheet | Item number: 832-3642**

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray

[www.wago.com/832-3642](http://www.wago.com/832-3642)



Color:



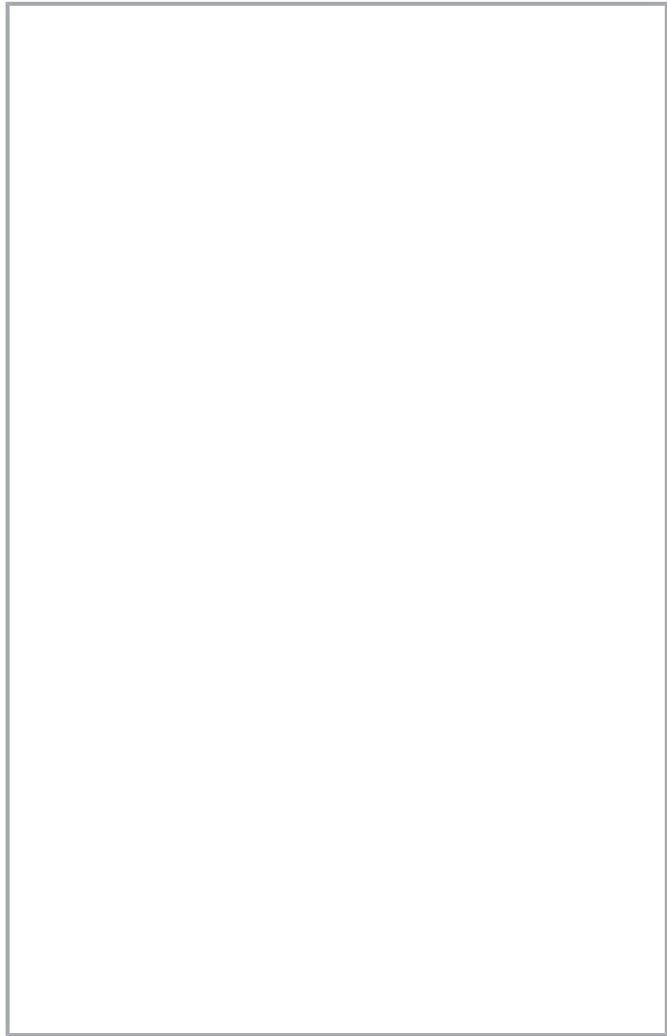
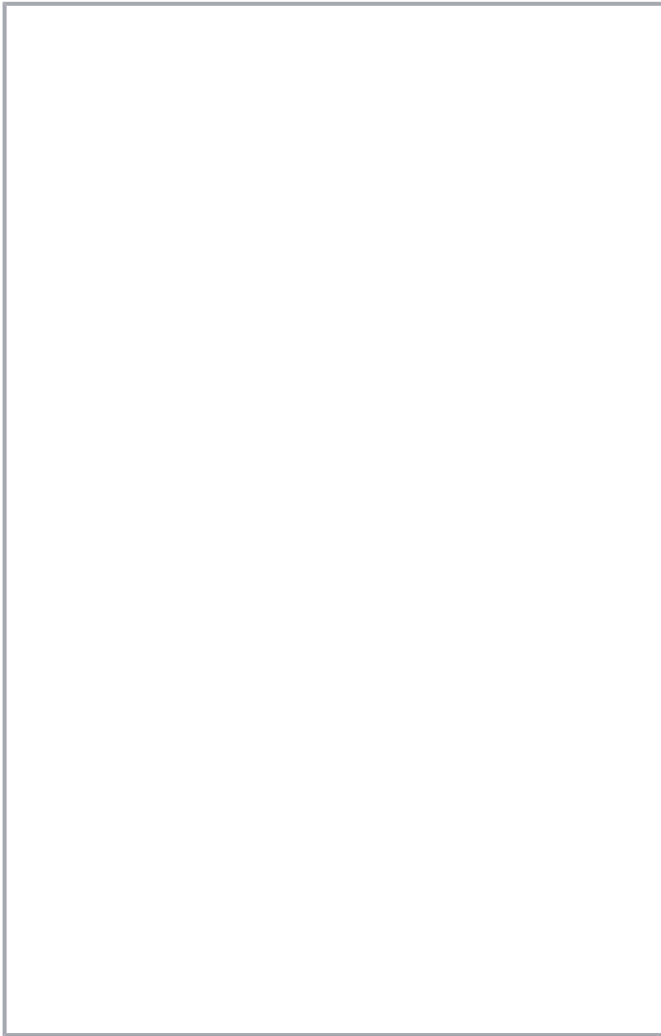
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WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
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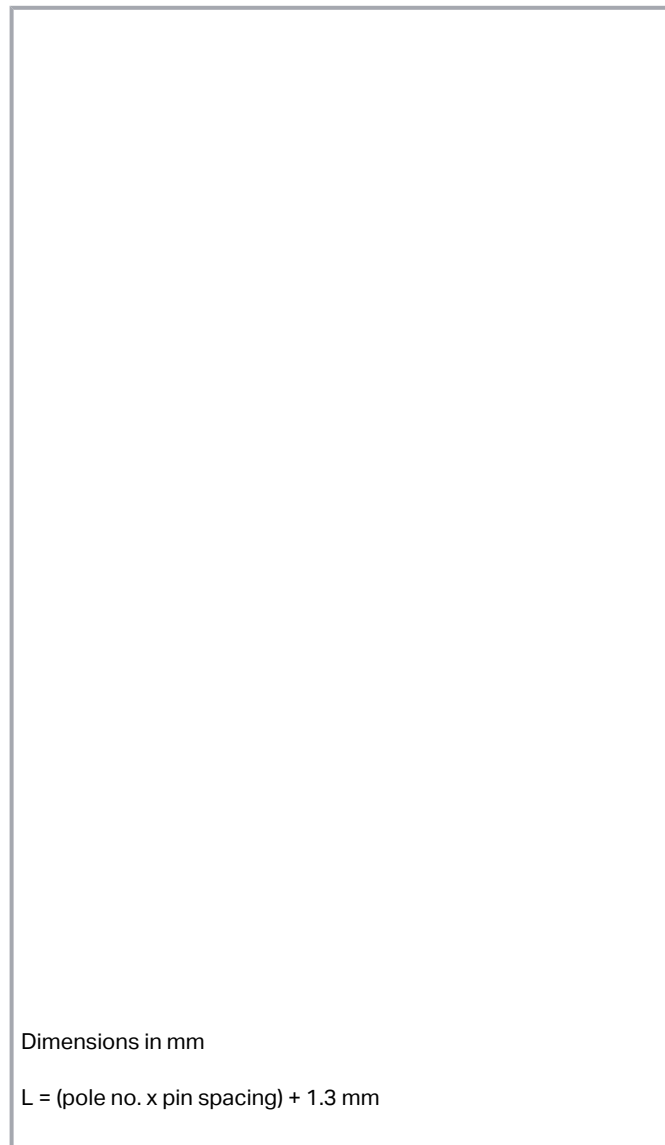


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### Item description

- Male header may be mounted horizontally or vertically via straight or angled solder pins
- Three solder pins per pole provide high electrical and mechanical stability
- Mating face (IP2XB) with higher protection against accidental contact
- 100% protected against mismatching
- Coding via coding fingers

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## Data Notes

### Safety information

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. 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.

### Variants:

Other pole numbers  
Protection against PCB mounting errors  
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1   |
|-------------------------------|--|
| Nominal voltage (III/3)       | 800 V  |
| Rated impulse voltage (III/3) | 8 kV   |
| Rated voltage (III/2)         | 1000 V   |
| Rated impulse 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 |

### Ratings per UL

| Approvals per                  | UL 1059 |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 66 A    |
| Rated voltage UL (Use Group C) | 300 V   |
| Rated current UL (Use Group C) | 66 A    |
| Rated voltage UL (Use Group D) | 600 V   |
| Rated current UL (Use Group D) | 5 A     |

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### Ratings per UL 1977

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

### Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 66 A  |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 66 A  |
| Rated voltage CSA (Use Group D) | 600 V |
| Rated current CSA (Use Group D) | 5 A   |

### Connection data

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

### Connection 1

|             |   |
|-------------|---|
| Pole number | 2 |
|-------------|---|

### Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 10.16 mm / 0.4 inches    |
| Width                                | 21.62 mm / 0.851 inches  |
| Height                               | 20.5 mm / 0.807 inches   |
| Height from the surface              | 16.5 mm / 0.65 inches    |
| Depth                                | 32 mm / 1.26 inches      |
| Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | 1.2 x 1.2 mm             |
| Drilled hole diameter with tolerance | 1.7 <sup>(+0.1)</sup> mm |

### Mechanical Data

|                          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

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



## Plug-in connection

|                                      |                     |
|--------------------------------------|---------------------|
| Contact type (pluggable connector)   | Male connector/plug |
| Connector (connection type)          | for PCB             |
| Mismating protection                 | Yes                 |
| Plugging without loss of pin spacing | No                  |
| Mating direction to the PCB          | 180 °               |
| Locking of plug-in connection        | none                |

## PCB contact

|                                     |  |
|-------------------------------------|--|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire male connector (in-line) |
| Number of solder pins per potential | 3  |

## Material Data

Note (material data)

Information on material specifications can be found here

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | light gray                        |
| Material group              | I                                 |
| Insulation material         | Polybutylene terephthalate (PBT)  |
| Flammability class per UL94 | V0                                |
| Clamping spring material    | Chrome-nickel spring steel (CrNi) |
| Contact material            | Electrolytic copper ( $E_{Cu}$ )  |
| Contact plating             | Silver                            |
| Fire load                   | 0.226 MJ                          |
| Weight                      | 11.1 g                            |

## Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +120 °C |
| Processing temperature  | -35 ... +60 °C  |

## Commercial data

|             |             |
|-------------|-------------|
| eCl@ss 10.0 | 27-44-04-02 |
| eCl@ss 9.0  | 27-44-04-02 |
| ETIM 8.0    | EC002637    |
| ETIM 7.0    | EC002637    |

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|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 60 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4055143920780 |
| Customs tariff number | 85366930000   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Approvals / Certificates

### General approvals

| Logo | Approval                                     | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
|      | <b>CB</b><br>DEKRA Certification B.V.        | IEC 61984                | NL-53084         |
|      | <b>CSA</b><br>CSA Group                      | C22.2                    | 70180346         |
|      | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984                 | 71-<br>104731    |
|      | <b>UL</b><br>Underwriters Laboratories Inc.  | C22.2 No. 158            | E45172           |

## Counterpart

|   |  |
|---|--|
| <b>Item no.832-1102</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm²; light gray  | <a href="http://www.wago.com/832-1102">www.wago.com/832-1102</a>                 |
| <b>Item no.832-1102/037-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; Silver-plated contacts; 16,00 mm²; light gray                      | <a href="http://www.wago.com/832-1102/037-000">www.wago.com/832-1102/037-000</a> |
| <b>Item no.832-1102/312-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray | <a href="http://www.wago.com/832-1102/312-000">www.wago.com/832-1102/312-000</a> |
| <b>Item no.832-1102/322-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Centered locking levers; Silver-plated contacts; 16,00 mm²; light gray                     | <a href="http://www.wago.com/832-1102/322-000">www.wago.com/832-1102/322-000</a> |
| <b>Item no.832-1102/332-000</b><br>1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray                         | <a href="http://www.wago.com/832-1102/332-000">www.wago.com/832-1102/332-000</a> |
| <b>Item no.832-1102/342-000</b>   | <a href="http://www.wago.com">www.wago.com</a>                                   |

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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 /832-1102/342-000

**Item no.832-1102/000-9037**

1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismating; Silver-plated contacts; direct marking; 16,00 mm²; light gray [www.wago.com/832-1102/000-9037](http://www.wago.com/832-1102/000-9037)

**Downloads**

**Documentation**

**Additional Information**

2019 年4月3日 pdf 2.0 MB Download

**CAD/CAE-Data**

**PCB Design**

Symbol and Footprint 832-3642

URL Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

**Supported formats:**

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!

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- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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#### CAD data

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| 2D/3D Models 832-3642 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

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#### CAE data

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 832-3642 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

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### Environmental Product Compliance

#### Compliance Search

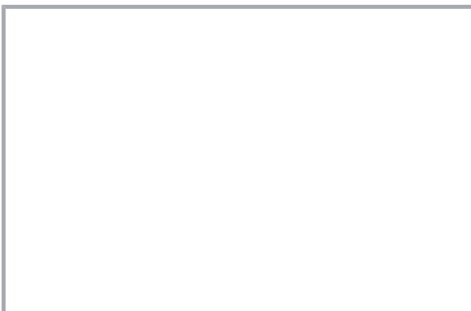
|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 832-3642 | <a href="#">URL</a> | <a href="#">Download</a> |
|---|---------------------|--------------------------|

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray

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### Installation Notes

#### Coding



Coding a THT male header by inserting a coding pin.

#### Product family

<i>MCS</i> MAXI 16

[Show all products from the family](#)

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