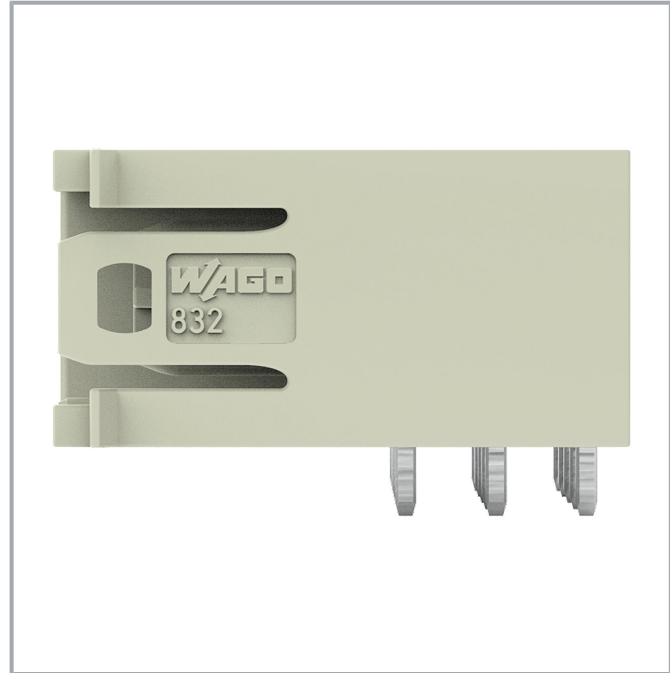


Data sheet | Item number: 832-3625

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 5-pole; light gray

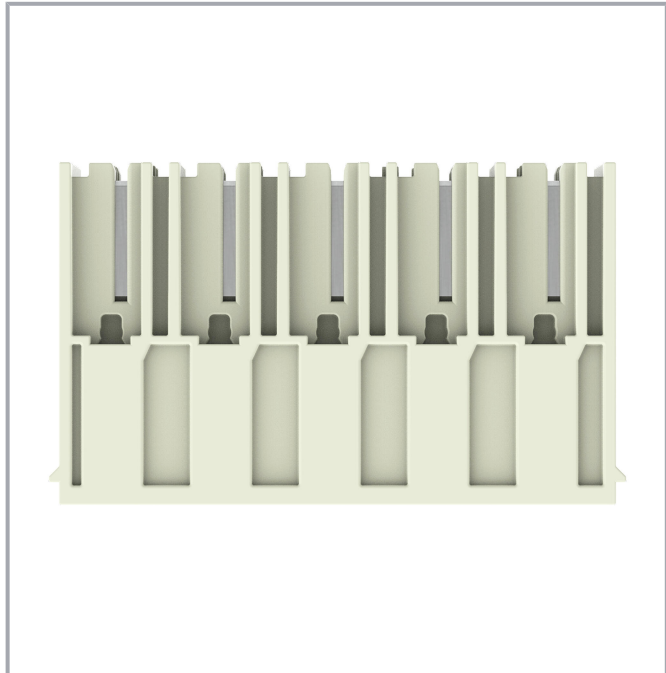
www.wago.com/832-3625



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

WAGO GmbH & Co. KG
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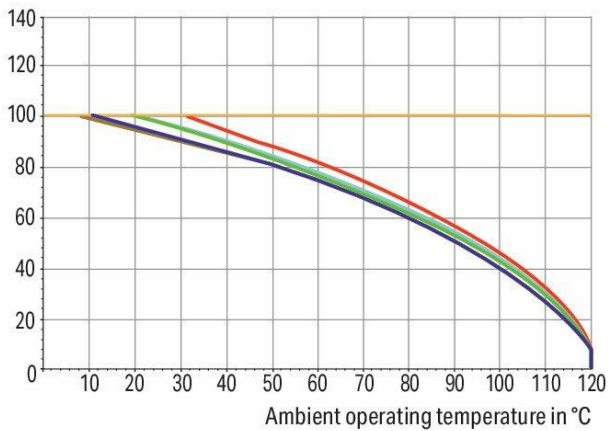


Derating Curve

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

Pin spacing: 10.16 mm / Conductor cross-section: 25 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



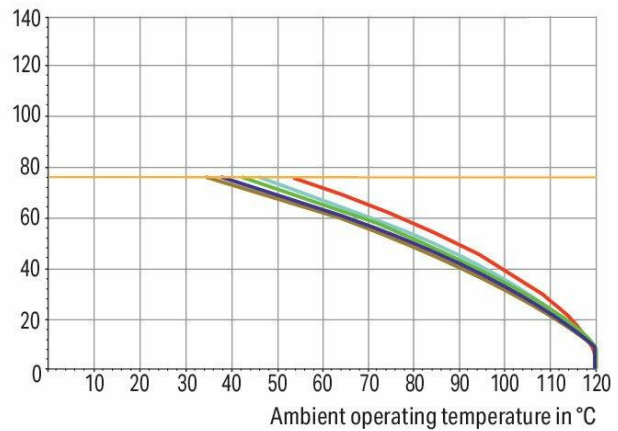
2-, 3-, 4-, 5-, 6- pole ——— Conductor rated current

Derating Curve

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

Pin spacing: 10.16 mm / Conductor cross-section: 16 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A

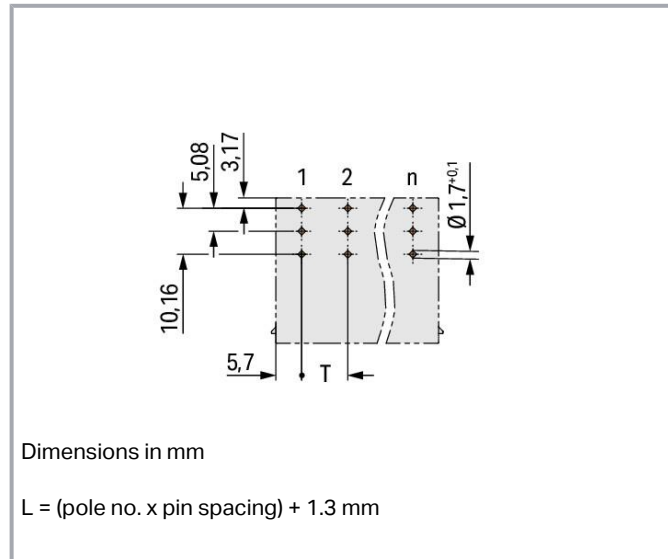
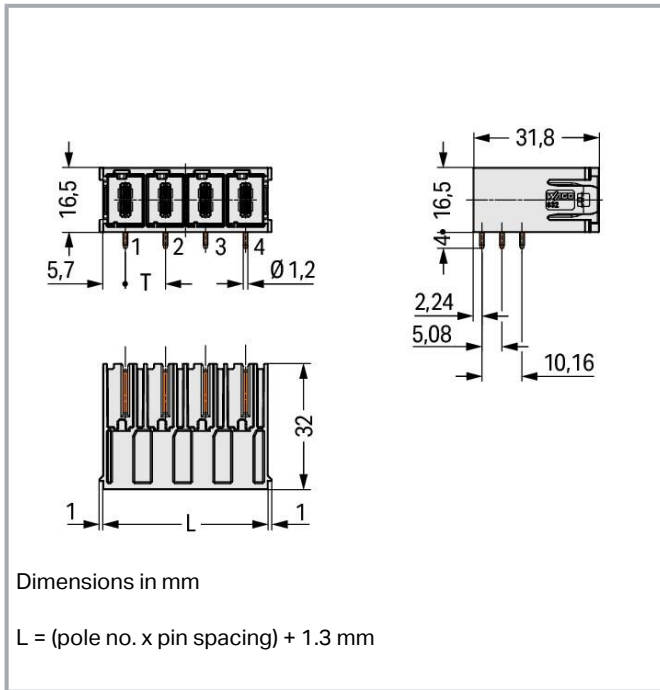


2-, 3-, 4-, 5-, 6- pole ——— Conductor rated current

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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

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/>.

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



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) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

Ratings per UL 1059

| 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 |

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 |

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



Connection data

| | |
|----------------------------|---|
| Total number of potentials | 5 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|-------------|---|
| Pole number | 5 |
|-------------|---|

Physical data

| | |
|--------------------------------------|--------------------------|
| Pin spacing | 10.16 mm / 0.4 inches |
| Width | 52.1 mm / 2.051 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 ^(+0.1) mm |

Mechanical Data

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

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 | 0° |
| 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 |

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



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 | 0.452 MJ |
| Weight | 26.5 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 |
| PU (SPU) | 20 pcs |
| Packaging type | box |
| Country of origin | PL |
| GTIN | 4055143735438 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

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

Approvals / Certificates




General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|







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| | | | |
|--|--|---------------|---------------|
| | CB DEKRA Certification B.V. | IEC 61984 | NL-53084 |
|  | CSA DEKRA Certification B.V. | C22.2 | 70180346 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71- 104731 |
|  | UL Underwriters Laboratories Inc. | C22.2 No. 158 | E45172 |

Counterpart

| | | |
|--|--|--|
|  | Item no.832-1105 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 5-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm²; light gray | www.wago.com/832-1105 |
|  | Item no.832-1105/037-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 5-pole; 100% protected against mismatching; Lateral locking levers; Silver-plated contacts; 16,00 mm²; light gray | www.wago.com/832-1105/037-000 |
|  | Item no.832-1105/315-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 5-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray | www.wago.com/832-1105/315-000 |
|  | Item no.832-1105/323-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 5-pole; 100% protected against mismatching; Centered locking levers; Silver-plated contacts; 16,00 mm²; light gray | www.wago.com/832-1105/323-000 |
|  | Item no.832-1105/335-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 5-pole; 100% protected against mismatching; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray | www.wago.com/832-1105/335-000 |
|  | Item no.832-1105/345-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 5-pole; 100% protected against mismatching; Centered locking levers; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray | www.wago.com/832-1105/345-000 |

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

Optional accessories

Coding

Coding



Item no.: 832-500

Coding key carrier; orange

www.wago.com/832-500

Downloads

Documentation

Additional Information

| | | | |
|------------------------|------------|--------|----------|
| Technical Section | 2019 Apr 3 | pdf | Download |
| Technical explanations | | 2.0 MB | |

CAD/CAE-Data

CAD data

| | | |
|-----------------------|-----|----------|
| 2D/3D Models 832-3625 | URL | Download |
|-----------------------|-----|----------|

PCB Design

| | | |
|-------------------------------|-----|----------|
| Symbol and Footprint 832-3625 | URL | Download |
|-------------------------------|-----|----------|

CAD 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

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- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

CAE data

| | | |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 832-3625 | URL | Download |
|-----------------------|---------------------|--------------------------|

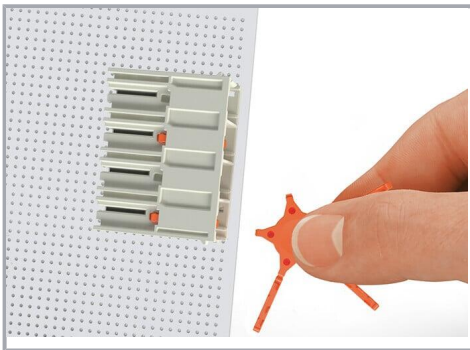
Environmental Product Compliance

Compliance Search

| | | |
|--|---------------------|--------------------------|
| Environmental Product Compliance 832-3625 | URL | Download |
| THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 5-pole; light gray | | |

Installation Notes

Coding



Coding a THT male header by inserting a coding pin.

Product family

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



MCS MAXI 16

[Show all products from the family](#)

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