

Data sheet | Item number: 722-135

THT female header; straight; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray



www.wago.com/722-135



Color:



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

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Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$

2-pole female connectors – one latch only

Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- 100 % protected against mismatching
- With 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

3.8 mm pin projection for male headers with straight solder pins

Gold-plated or partially gold-plated contact surfaces

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) | 320 V |
| Rated impulse voltage (III/3) | 4 kV |
| Rated voltage (III/2) | 320 V |
| Rated impulse voltage (III/2) | 4 kV |
| Nominal voltage (II/2) | 630 V |
| Rated surge voltage (II/2) | 4 kV |
| Rated current | 12 A |
| Legend (ratings) | (III / 2) ≙ 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) | 15 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

Ratings per UL 1977

| | |
|-------------------------|-------|
| Rated voltage (UL 1977) | 600 V |
| Rated current UL 1977 | 15 A |

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Ratings per CSA

| | |
|---------------------------------|-------|
| Approvals per | CSA |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A |

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 | 5 mm / 0.197 inches |
| Width | 26.5 mm / 1.043 inches |
| Height | 23.25 mm / 0.915 inches |
| Height from the surface | 18.25 mm / 0.719 inches |
| Depth | 11.6 mm / 0.457 inches |
| Solder pin length | 5 mm |
| Solder pin dimensions | 0.6 x 1 mm |
| Drilled hole diameter with tolerance | 1.3 ^(+0.1) mm |

Mechanical Data

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

Plug-in connection

| | |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for PCB |
| Mismating protection | Yes |
| Plugging without loss of pin spacing | No |

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



| | |
|-------------------------------|------|
| Mating direction to the PCB | 90 ° |
| Locking of plug-in connection | none |

PCB contact

| | |
|-------------------------------------|--|
| PCB contact | THT |
| Solder pin arrangement | over the entire female connector (in-line) |
| Number of solder pins per potential | 1 |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper alloy |
| Contact plating | Tin |
| Fire load | 0.08 MJ |
| Weight | 4.7 g |

Environmental requirements

| | |
|-------------------------|----------------|
| Limit temperature range | -60 ... +85 °C |
| Processing temperature | -35 ... +60 °C |

Commercial data

| | |
|-----------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| 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) | 100 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918580441 |
| Customs tariff number | 85366990990 |

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



Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CB DEKRA Certification B.V. | IEC 61984 | NL-39756 /A1 |
| | CSA DEKRA Certification B.V. | C22.2 | 1466354 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71-121453 |
| | UR Underwriters Laboratories Inc. | UL 1977 | E45171 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--------------------------------------|--------------------------|------------------|
| | Railway WAGO GmbH & Co. KG | - | Railway Ready |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | ABS American Bureau of Shipping | - | 19-HG1869876-PDA |
| | LR Lloyds Register | IEC 61984 | 96/20035 (E5) |

Counterpart

| | |
|--|--|
| Item no.721-605 1-conductor male connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 2,50 mm ² ; light gray | www.wago.com/721-605 |
| Item no.721-605/000-042 1-conductor male connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 5 mm; 5-pole; Preceding ground contact; 100% protected against mismatching; direct marking; 2,50 mm ² ; light gray | www.wago.com/721-605/000-042 |
| Item no.721-605/019-000 1-conductor male connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; clamping collar; 2,50 mm ² ; light gray | www.wago.com/721-605/019-000 |
| Item no.721-605/033-000 | |

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| | |
|---|--|
| 1-conductor male connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; Strain relief plate; 2,50 mm ² ; light gray | www.wago.com/721-605/033-000 |
|---|--|

Item no. 721-605/019-042

| | |
|---|--|
| 1-conductor male connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 5 mm; 5-pole; Preceding ground contact; 100% protected against mismatching; clamping collar; direct marking; 2,50 mm ² ; light gray | www.wago.com/721-605/019-042 |
|---|--|

Optional accessories**Testing and measuring**

Testing accessories

Item no.: 210-136

| | |
|---|--|
| Test plug; 2 mm Ø; with 500 mm cable; red | www.wago.com/210-136 |
|---|--|

Item no.: 231-661

| | |
|---|--|
| Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm ² ; light gray | www.wago.com/231-661 |
|---|--|

Marking accessories

Marking strip

Item no.: 210-833

| | |
|--|--|
| Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white | www.wago.com/210-833 |
|--|--|

Item no.: 210-834

| | |
|---|--|
| Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white | www.wago.com/210-834 |
|---|--|

Downloads**Documentation****Additional Information**

| | | |
|------------|---------------|----------|
| 2019 年4月3日 | pdf 2.0 MB | Download |
|------------|---------------|----------|

CAD/CAE-Data**CAD data**

| | | |
|----------------------|-----|----------|
| 2D/3D Models 722-135 | URL | Download |
|----------------------|-----|----------|

CAE data

| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 722-135 | URL | Download |
|---------------------------|-----|----------|

| | | |
|----------------------|-----|----------|
| ZUKEN Portal 722-135 | URL | Download |
|----------------------|-----|----------|

PCB Design

Symbol and Footprint 722-135

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

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 722-135

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Installation Notes

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Product family

MCS MIDI

[Show all products from the family](#)

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