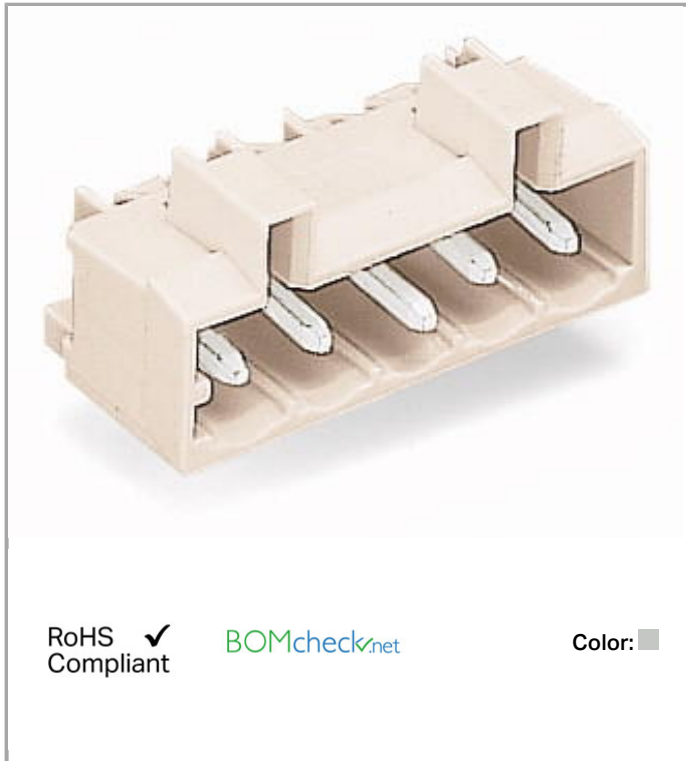


Data sheet | Item number: 721-432/001-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 2-pole

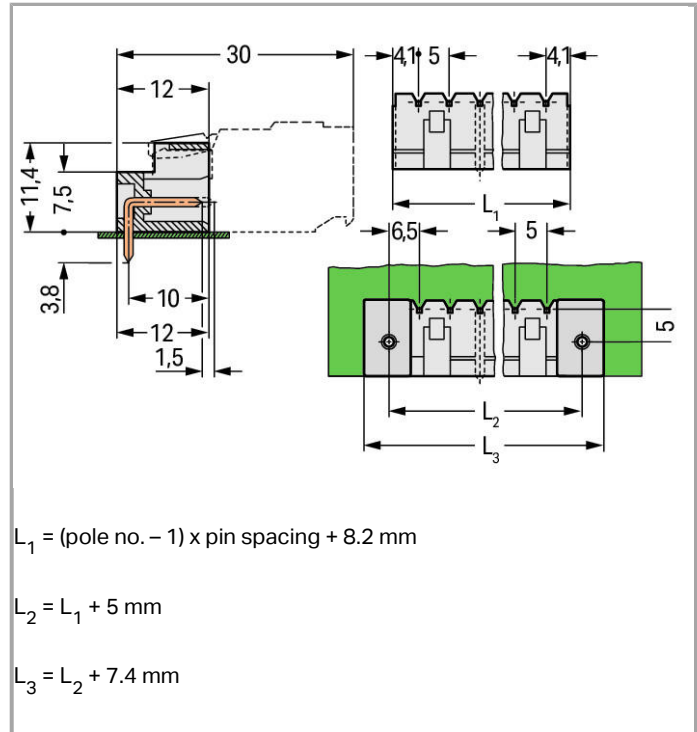
www.wago.com/721-432/001-000



RoHS Compliant

BOMcheck.net

Color: ■



Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- 100 % protected against mismatching
- With coding fingers

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: 3.8 mm pin projection for male headers with straight solder pins, Gold-plated or partially gold-plated contact surfaces, Other pole numbers

Data

Electrical data

Ratings per IEC/EN 60664-1

| | |
|---------------------------------|-------|
| Rated 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 |



| | |
|--------------------------------|--|
| Rated voltage (II / 2) | 630 V |
| Rated impulse voltage (II / 2) | 4 kV |
| Rated current | 12 A |
| Legend (ratings) | (III / 2) \triangleq Overvoltage category III / Pollution degree 2 |

Approvals per UL 1059

| | |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

Approvals per CSA

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

Connection data

| | |
|----------------------------|---|
| No. of poles | 2 |
| Total number of potentials | 2 |
| Number of levels | 1 |

Geometrical Data

| | |
|-----------------------------------|--------------------------|
| Pin spacing | 5 mm (0.197 inch) |
| Width | 13.2 mm / 0.52 inch |
| Height | 15.2 mm / 0.598 inch |
| Height from the surface | 11.4 mm / 0.449 inch |
| Depth | 12 mm / 0.472 inch |
| Solder pin length | 3.8 mm |
| Solder pin dimensions | 1 x 1 mm |
| Drilled hole diameter (tolerance) | 1.4 ^(+0.1) mm |

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type | for PCBs |
| Mismating protection | Yes |
| Mating direction to the PCB | 0° |

PCB contact

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

Material Data

| | |
|-----------------------------|---------------------------|
| Color | light gray |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (Ecu) |
| Contact plating | tin-plated |
| Fire load | 0.018 MJ |
| Weight | 0.846 g |

Environmental Requirements

| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
|-------------------------|-----------------|

Commercial data

| | |
|--------------------|------------------------|
| Country of origin | PL |
| GTIN | 4044918869492 |
| Customs Tariff No. | 85366990990 |
| Product Group | 3 (Multi Conn. System) |

Approvals / Certificates


Country specific Approvals

| Logo | Approval | Certificate name |
|--|---------------------------------------|------------------|
|  | CSA DEKRA Certification B.V. | 1466354 |
|  | KEMA/KEUR DEKRA Certification B.V. | 2190761.01 |

Ship Approvals

| Logo | Approval | Certificate name |
|------|------------------------------------|------------------|
| | ABS American Bureau of Shipping | 14-HG1241537-PDA |

ABS

| | | |
|--|---|------------|
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | TAE000016Z |
|--|---|------------|



UL-Approvals

| Logo | Approval | Certificate name |
|--|--|------------------|
|  | UL UL International Germany GmbH | E45172 |
|  | UR UL International Germany GmbH | E45171 |





Compatible products

| Coding | | |
|--|--|--|
|  | Item no.: 231-129 Coding key; snap-on type | www.wago.com/231-129 |

Marking accessories

| | | |
|--|--|--|
|  | Item no.: 210-833 Marking strips; on reel; 6 mm wide; plain; Self-adhesive | www.wago.com/210-833 |
|  | Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive | www.wago.com/210-834 |

Female plug

| | | |
|--|--|--|
|  | Item no.: 2721-102/026-000 1-conductor female plug; 100% protected against mismatching; Push-button; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/2721-102/026-000 |
|  | Item no.: 2721-102/037-000 1-conductor female plug; 100% protected against mismatching; Push-button; Locking lever; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/2721-102/037-000 |
|  | Item no.: 721-102/026-000 1-conductor female plug; 100% protected against mismatching; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/721-102/026-000 |
|  | Item no.: 721-102/037-000 1-conductor female plug; 100% protected against mismatching; Locking lever; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/721-102/037-000 |



| | | |
|--|--|--|
|  | Item no.: 721-302/008-000 1-conductor female plug; angled; 100% protected against mismating; Snap-in mounting feet; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/721-302/008-000 |
|  | Item no.: 721-302/031-000 1-conductor female plug; angled; 100% protected against mismating; clamping collar; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/721-302/031-000 |
|  | Item no.: 722-132 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Pin spacing 5 mm; 2-pole | www.wago.com/722-132 |
|  | Item no.: 722-132/031-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; clamping collar; Pin spacing 5 mm; 2-pole | www.wago.com/722-132/031-000 |
|  | Item no.: 722-132/039-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 2-pole | www.wago.com/722-132/039-000 |
|  | Item no.: 722-132/047-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Spacer flange; Pin spacing 5 mm; 2-pole | www.wago.com/722-132/047-000 |
|  | Item no.: 722-202/026-000 1-conductor female plug; angled; 100% protected against mismating; 2.5 mm ² ; Pin spacing 5 mm; 2-pole | www.wago.com/722-202/026-000 |
|  | Item no.: 722-232 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 5 mm; 2-pole | www.wago.com/722-232 |
|  | Item no.: 722-232/031-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; clamping collar; Pin spacing 5 mm; 2-pole | www.wago.com/722-232/031-000 |
|  | Item no.: 722-232/039-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 2-pole | www.wago.com/722-232/039-000 |
|  | Item no.: 722-232/047-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Spacer flange; Pin spacing 5 mm; 2-pole | www.wago.com/722-232/047-000 |

Downloads
smartDATA

PCB libraries

| | | | |
|--|----------------------|---------------|----------|
| TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System) Compatible with TARGET PCB Design Software Version 17.x | 1.1.0 Oct 6, 2014 | ZIP 7.4 MB | Download |
| DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with DesignSpark PCB Version 4.x or higher | 2.1 Oct 6, 2014 | ZIP 6.1 MB | Download |

EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)



| | | | |
|---|---------------------|---------------|----------|
| Library for the design of connectors (with connection system), Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1 Nov 17, 2017 | ZIP 6.2 MB | Download |
|---|---------------------|---------------|----------|

CAD data

| | | |
|-----------------------------|-----|----------|
| 3D Download 721-432/001-000 | URL | Download |
|-----------------------------|-----|----------|

Subject to changes.

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