

## Fișă tehnică | Număr articol: 721-144/001-000

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/721-144/001-000](http://www.wago.com/721-144/001-000)



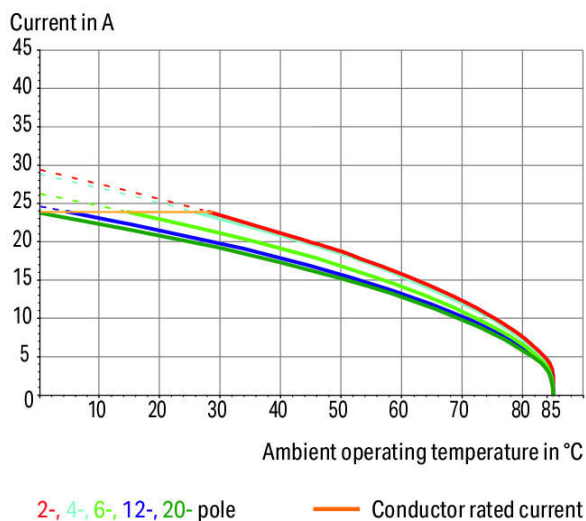
RoHS Compliant

BOMcheck.net

Culoare:

### Derating Curve

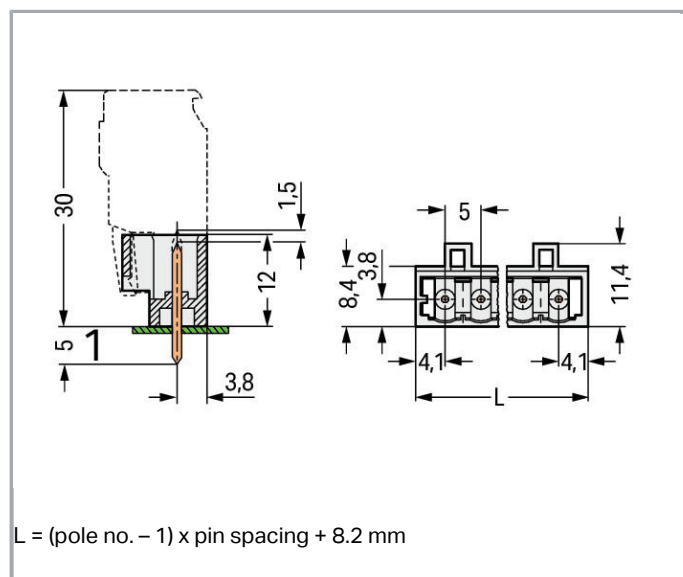
1-conductor female connector (721-102/026-000) with  
THT male header (721-432/001-000)  
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: [info-RO@wago.com](mailto:info-RO@wago.com)

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- 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

### Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

## Date

### Electrical data

### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1 |
|-----------------------------|----------------|
| Nominal voltage (III/3)     | 320 V          |
| Rated surge voltage (III/3) | 4 kV           |
| Rated voltage (III/2)       | 320 V          |
| Rated surge voltage (III/2) | 4 kV           |
| Nominal voltage (II/2)      | 630 V          |
| Rated surge voltage (II/2)  | 4 kV           |

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
 /Representative Office Romania  
 Sos. Pipera-Tunari nr. 1/1  
 building 1, 2nd floor | 077190 Voluntari, Ilfov  
 Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Rated current    | 12 A                                                              |
| Legend (ratings) | (III / 2) $\hat{=}$ 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                  | UL 1059 |

### Approvals per UL 1977

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

|                            |    |
|----------------------------|----|
| Pole No.                   | 14 |
| Total number of potentials | 14 |
| Number of connection types | 1  |
| Number of levels           | 1  |

### Geometrical Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5 mm / 0.197 inch        |
| Width                                | 73.2 mm / 2.882 inch     |
| Height                               | 17 mm / 0.669 inch       |
| Height from the surface              | 12 mm / 0.472 inch       |
| Depth                                | 11.4 mm / 0.449 inch     |
| Solder pin length                    | 5 mm                     |
| Solder pin dimensions                | 1 x 1 mm                 |
| Drilled hole diameter with tolerance | 1.4 <sup>(+0.1)</sup> mm |

Supus modificărilor.

## Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCBs            |
| Mismating protection               | Yes                 |
| Mating direction to the PCB        | 90°                 |

## 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                                      |
| Insulation material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,081 MJ                               |
| Weight                      | 4,5 g                                  |

## Environmental Requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | PL                     |
| GTIN                  | 4044918869119          |
| Customs tariff number | 85366990990            |

## Aprobări / certificate

### Country specific Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|---------|----------|------------------------------|-----------------|
|         | CSA      | C22.2                        | 1466354         |

Supus modificărilor.



DEKRA Certification B.V.



KEMA/KEUR  
 DEKRA Certification B.V.

EN 61984

2190761.01

## Ship Approvals

| Emblemă                                                                          | Aprobare                                                | Text de aprobare suplimentar | Nume certificat          |
|----------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping               | -                            | 19-<br>HG1869876-<br>PDA |
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                            | TAE000016Z               |

## UL-Approvals

| Emblemă                                                                            | Aprobare                                    | Text de aprobare suplimentar | Nume certificat     |
|------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|---------------------|
|  | <b>UL</b><br>Underwriters Laboratories Inc. | UL 1059                      | 20190731-<br>E45172 |
|  | <b>UR</b><br>UL International Germany GmbH  | UL 1977                      | E45171              |

## Counterpart



Nr. articol 721-114/026-000

1-conductor female plug; 100% protected against mismatching; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 14-pole; 2,50 mm<sup>2</sup>; light gray

[www.wago.com/721-114/026-000](http://www.wago.com/721-114/026-000)



Nr. articol 2721-114/026-000

1-conductor female plug; 100% protected against mismatching; push-button; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 14-pole; 2,50 mm<sup>2</sup>; light gray

[www.wago.com/2721-114/026-000](http://www.wago.com/2721-114/026-000)



Nr. articol 2721-114/031-000

[www.wago.com/2721-114/031-000](http://www.wago.com/2721-114/031-000)

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
 /Representative Office Romania  
 Sos. Pipera-Tunari nr. 1/1  
 building 1, 2nd floor | 077190 Voluntari, Ilfov  
 Tel.: +40-(0)31 421 85 68 | Email: [info-RO@wago.com](mailto:info-RO@wago.com)

Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

|                                                                                    |                                                                                                                                                                                                                      |                                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                                                                                    | 1-conductor female plug; 100% protected against mismatching; push-button; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray                                        | 114/031-000                                                                      |
|    | <b>Nr. articol</b> 721-114/037-000<br>1-conductor female plug; 100% protected against mismatching; push-button; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray    | <a href="http://www.wago.com/721-114/037-000">www.wago.com/721-114/037-000</a>   |
|    | <b>Nr. articol</b> 721-114/027-000<br>1-conductor female plug; 100% protected against mismatching; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray               | <a href="http://www.wago.com/721-114/027-000">www.wago.com/721-114/027-000</a>   |
|    | <b>Nr. articol</b> 721-114/031-000<br>1-conductor female plug; 100% protected against mismatching; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray               | <a href="http://www.wago.com/721-114/031-000">www.wago.com/721-114/031-000</a>   |
|    | <b>Nr. articol</b> 721-2114/026-000<br>2-conductor female connector; 100% protected against mismatching; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray                          | <a href="http://www.wago.com/721-2114/026-000">www.wago.com/721-2114/026-000</a> |
|    | <b>Nr. articol</b> 721-114/037-000<br>1-conductor female plug; 100% protected against mismatching; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray                 | <a href="http://www.wago.com/721-114/037-000">www.wago.com/721-114/037-000</a>   |
|    | <b>Nr. articol</b> 721-2114/037-000<br>2-conductor female connector; 100% protected against mismatching; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray           | <a href="http://www.wago.com/721-2114/037-000">www.wago.com/721-2114/037-000</a> |
|   | <b>Nr. articol</b> 721-314/031-000<br>1-conductor female plug; angled; 100% protected against mismatching; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray       | <a href="http://www.wago.com/721-314/031-000">www.wago.com/721-314/031-000</a>   |
|  | <b>Nr. articol</b> 721-314/008-000<br>1-conductor female plug; angled; 100% protected against mismatching; Snap-in mounting feet; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray | <a href="http://www.wago.com/721-314/008-000">www.wago.com/721-314/008-000</a>   |
|  | <b>Nr. articol</b> 722-114/026-000<br>1-conductor female plug; angled; 100% protected against mismatching; 2,50 mm <sup>2</sup> ; light gray                                                                         | <a href="http://www.wago.com/722-114/026-000">www.wago.com/722-114/026-000</a>   |
|  | <b>Nr. articol</b> 722-214/026-000<br>1-conductor female plug; angled; 100% protected against mismatching; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; light gray                        | <a href="http://www.wago.com/722-214/026-000">www.wago.com/722-214/026-000</a>   |

## Produse compatibile

### Coding

|                                                                                    |                                                                     |                                                                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Nr. articol:</b> 231-129<br>Coding key; snap-on type; light gray | <a href="http://www.wago.com/231-129">www.wago.com/231-129</a> |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Marking accessories

**Nr. articol: 210-833**

Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

[www.wago.com/210-833](http://www.wago.com/210-833)**Nr. articol: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

[www.wago.com/210-834](http://www.wago.com/210-834)

## Descărcări

## Documentation

## Additional Information

Technical explanations

Apr 3, 2019

pdf  
3,6 MB

Descărcare

## CAD/CAE-Data

## CAD data

2D/3D Models 721-144/001-000

URL

Descărcare

## CAE data

EPLAN Data Portal 721-144/001-000

URL

Descărcare

## PCB Design

Symbol and Footprint 721-144/001-000

URL

Descărcare

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

Supus modificărilor.

WAGO Kontakttechnik GmbH &amp; Co. KG

/Representative Office Romania

Sos. Pipera-Tunari nr. 1/1

building 1, 2nd floor | 077190 Voluntari, Ilfov

Tel.: +40-(0)31 421 85 68 | Email: [info-RO@wago.com](mailto:info-RO@wago.com)

Aveți întrebări despre produsele noastre?

Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

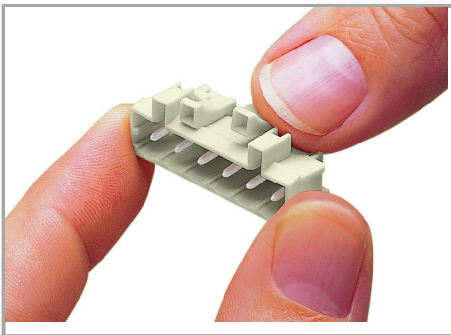
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

---

## Installation Notes

### Coding



Coding a male header – fitting coding key(s).

## Familie de produse

<i>MCS</i> MIDI

Afișare globală produse din familie.

Supus modificărilor.

---

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: [info-RO@wago.com](mailto:info-RO@wago.com)

Aveți întrebări despre produsele noastre?

Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.