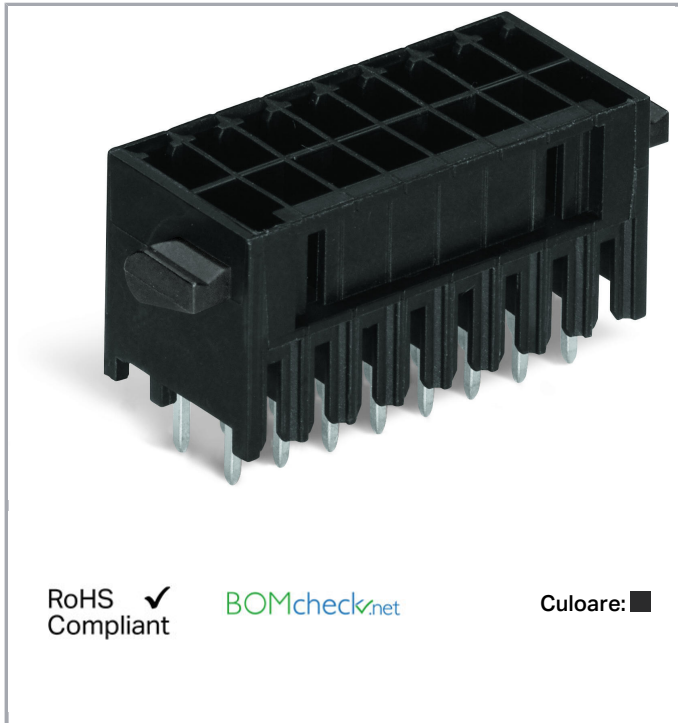


Fișă tehnică | Număr articol: 713-1403/037-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Levers; Pin spacing 3.5 mm; 2 x 3-pole; black

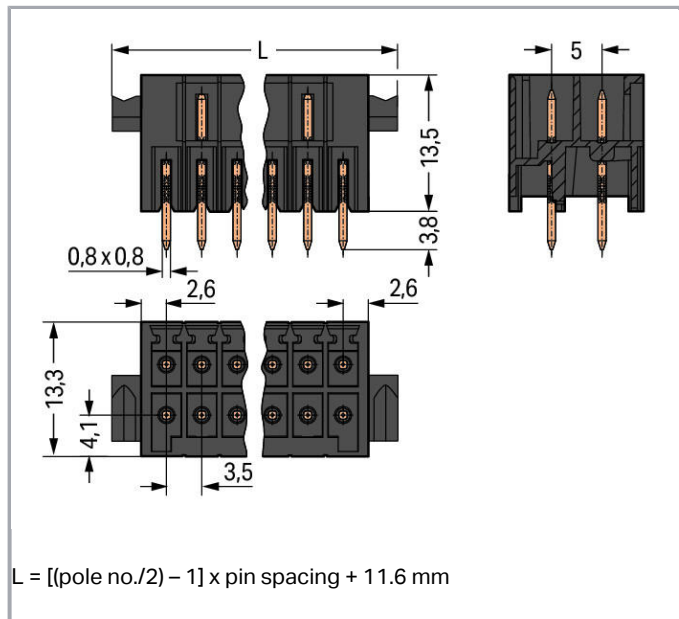
[www.wago.com/713-1403/037-000](http://www.wago.com/713-1403/037-000)



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## Descriere articol

- Male headers may be mounted horizontally or vertically via straight or angled solder pins
- Header housing is molded of THT-compatible insulation material for lead-free reflow soldering
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- 100% protected against mismatching
- Coding pins available

### 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)     | 80 V           |
| Rated surge voltage (III/3) | 2,5 kV         |
| Rated voltage (III/2)       | 160 V          |
| Rated surge voltage (III/2) | 2,5 kV         |

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|                            |  |
|----------------------------|--|
| Nominal voltage (II/2)     | 250 V  |
| Rated surge voltage (II/2) | 2,5 kV   |
| Rated current              | 10 A   |
| Legend (ratings)           | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

**Approvals per UL 1059**

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 150 V   |
| Rated current UL (Use Group B) | 10 A    |
| Rated voltage UL (Use Group C) | 50 V    |
| Rated current UL (Use Group C) | 10 A    |
| Approvals per                  | UL 1059 |

**Approvals per CSA**

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 12 A  |

**Connection data**

|                            |   |
|----------------------------|---|
| Pole No.                   | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 2 |

**Geometrical Data**

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inch      |
| Width                                | 18.6 mm / 0.732 inch     |
| Height                               | 17.3 mm / 0.681 inch     |
| Height from the surface              | 13.5 mm / 0.531 inch     |
| Depth                                | 13.3 mm / 0.524 inch     |
| Solder pin length                    | 3,8 mm                   |
| Solder pin dimensions                | 0.8 x 0.8 mm             |
| Drilled hole diameter with tolerance | 1.2 <sup>(+0.1)</sup> mm |

**Plug connection**

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCBs            |
| Mismating protection               | Yes                 |

Supus modificărilor.

|                               |               |
|-------------------------------|---------------|
| Mating direction to the PCB   | 90°           |
| Locking of plug-in connection | Locking lever |

### 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                       | black                                  |
| Material group              | I                                      |
| Insulation material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,044 MJ                               |
| Weight                      | 1,9 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                  | 4045454808341          |
| Customs tariff number | 85366990990            |

### Aprobări / certificate

#### Country specific Approvals


| Embleă   | Aprobare                        | Text de aprobare suplimentar | Nume certificat |
|--|---------------------------------|------------------------------|-----------------|
|  | CCA<br>DEKRA Certification B.V. | EN 61984                     | 2169947.01      |
|  | CSA                             | C22.2 No. 158                | 2315087         |

Supus modificărilor.








DEKRA Certification B.V.

## UL-Approvals

| Emblemă  | Aprobare                             | Text de aprobare suplimentar | Nume certificat     |
|--|--------------------------------------|------------------------------|---------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 1059                      | 20190122-<br>E45172 |

## Counterpart

|  |  |  |
|--|--|--|
|    | <b>Nr. articol</b> 713-1103/037-000<br>1-conductor female connector, 2-row; 100% protected against mismatching; Levers; direct marking; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 6-pole; 1,50 mm <sup>2</sup> ; black                               | <a href="http://www.wago.com/713-1103/037-000">www.wago.com/713-1103/037-000</a>                   |
|    | <b>Nr. articol</b> 713-1103/037-047<br>1-conductor female connector, 2-row; 100% protected against mismatching; Levers; direct marking; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 6-pole; 1,50 mm <sup>2</sup> ; black                               | <a href="http://www.wago.com/713-1103/037-047">www.wago.com/713-1103/037-047</a>                   |
|  | <b>Nr. articol</b> 713-1103/037-047/032-000<br>1-conductor female connector, 2-row; 100% protected against mismatching; Levers; Strain relief plate; direct marking; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 6-pole; 1,50 mm <sup>2</sup> ; black  | <a href="http://www.wago.com/713-1103/037-047/032-000">www.wago.com/713-1103/037-047/032-000</a>   |
|  | <b>Nr. articol</b> 713-1103/037-9037<br>1-conductor female connector, 2-row; 100% protected against mismatching; Levers; direct marking; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 6-pole; 1,50 mm <sup>2</sup> ; black                              | <a href="http://www.wago.com/713-1103/037-9037">www.wago.com/713-1103/037-9037</a>                 |
|  | <b>Nr. articol</b> 713-1103/037-9037/032-000<br>1-conductor female connector, 2-row; 100% protected against mismatching; Levers; Strain relief plate; direct marking; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 6-pole; 1,50 mm <sup>2</sup> ; black | <a href="http://www.wago.com/713-1103/037-9037/032-000">www.wago.com/713-1103/037-9037/032-000</a> |

## Produse compatibile

## Coding

|  |   |  |
|--|---|--|
|  | <b>Nr. articol:</b> 714-101<br>Coding key; orange | <a href="http://www.wago.com/714-101">www.wago.com/714-101</a> |
|--|---|--|

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



## Descărcări

### Documentation

#### Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

### CAD/CAE-Data

#### CAD data

|                               |     |            |
|-------------------------------|-----|------------|
| 2D/3D Models 713-1403/037-000 | URL | Descărcare |
|-------------------------------|-----|------------|

#### PCB Design

|                                       |     |            |
|---------------------------------------|-----|------------|
| Symbol and Footprint 713-1403/037-000 | 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
- 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

—  
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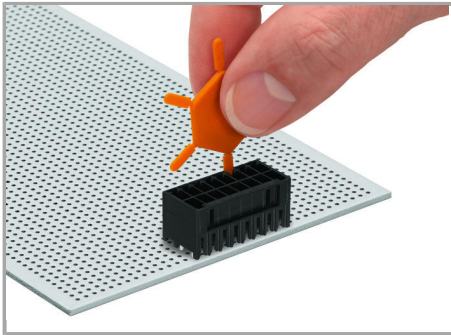
- Zuken CR-5000 and CR-8000

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

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## Installation Notes

### Coding



Coding a male header by inserting a coding pin.

## Familie de produse

*MCS* MINI HD

Afișare globală produse din familie.

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