

## Data sheet | Item number: 734-568/037-000

THT female header; 0.9 x 0.9 mm solder pin; angled; 100% protected against  
mismatching; Locking lever; Pin spacing 3.81 mm; 8-pole



734-568/037-000



RoHS  
Compliant

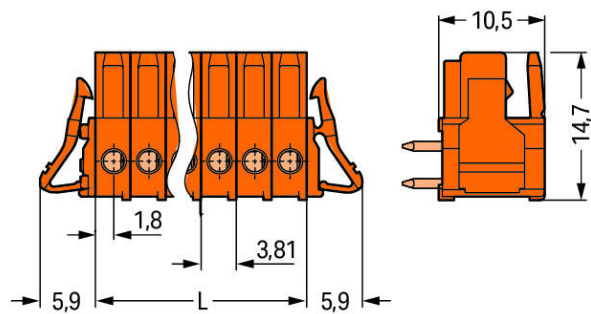
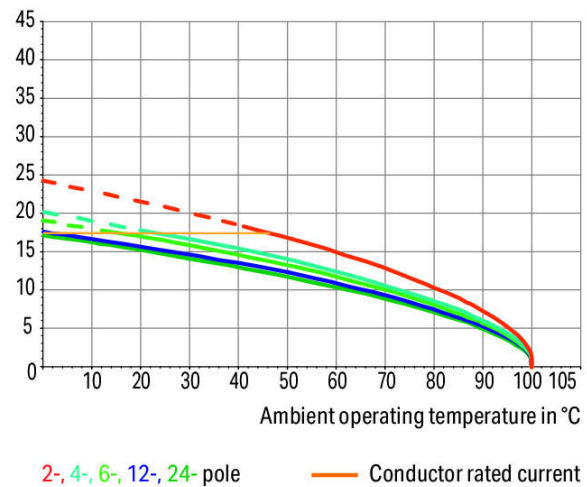


Color: ■

### Derating Curve

THT female header (734-532) with  
1-conductor male connector (734-302)  
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



L = pole no. x pin spacing

### Item description

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- Horizontal or vertical PCB mounting via straight or angled solder pins
- Integrated test ports for 2 mm Ø test plugs
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify inputs and outputs
- 100% protected against mismating
- Coding via 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.

**Data****Electrical data****Ratings per IEC/EN 60664-1**

|                                 |        |
|---------------------------------|--------|
| Rated voltage (III / 3)         | 160 V  |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2)         | 160 V  |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |
| Rated current                   | 10 A   |

**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                      | 8 |
| Total number of connection points | 8 |



|                            |   |
|----------------------------|---|
| Total number of potentials | 8 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 3.81 mm / 0.15 inch            |
| Width                             | 42.28 mm / 1.665 inch          |
| Height                            | 14.3 mm / 0.563 inch           |
| Height from the surface           | 10.5 mm / 0.413 inch           |
| Depth                             | 14.65 mm / 0.577 inch          |
| Solder pin length                 | 3.8 mm                         |
| Solder pin dimensions             | 0.9 x 0.9 mm                   |
| Drilled hole diameter (tolerance) | 1.4 <sup>(- ... +0.1)</sup> mm |

### Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for PCBs                |
| Mismating protection               | Yes                     |
| Mating direction to the PCB        | 0°                      |
| Locking of plug-in connection      | locking lever           |

### PCB contact

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

### Material Data

|                             |                      |
|-----------------------------|----------------------|
| Color                       | orange               |
| Material group              | I                    |
| Insulating material         | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0                   |
| Contact material            | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0.1 MJ               |
| Weight                      | 5.2 g                |

### Environmental Requirements

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

## Commercial data

|                    |                        |
|--------------------|------------------------|
| Product Group      | 3 (Multi Conn. System) |
| Country of origin  | DE                     |
| GTIN               | 4045454122256          |
| Customs Tariff No. | 85366990990            |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                             | Approval                                     | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|                                                                                  | <b>CB</b><br>DEKRA Certification B.V.        | EN 61984                 | NL-54190         |
|  | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2                    | 1465035          |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984                 | 71-<br>105522    |

### Ship Approvals

| Logo                                                                               | Approval                                                | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE000016Z       |

### UL-Approvals

| Logo                                                                               | Approval                                    | Additional Approval Text | Certificate name    |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|---------------------|
|  | <b>UL</b><br>UL International Germany GmbH  | UL 1977                  | E45171              |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                  | 20190122-<br>E45172 |

## Downloads

### CAD/CAE - Smart Data

### PCB libraries



|                                                                                                                                              |                      |               |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|--------------------------|
| TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System)<br>Compatible with TARGET PCB Design Software Version 17.x        | 1.1.0<br>Oct 6, 2014 | zip<br>7.4 MB | <a href="#">Download</a> |
| EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)<br>Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1<br>Oct 6, 2014   | zip<br>6.2 MB | <a href="#">Download</a> |
| DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)<br>Compatible with DesignSpark PCB Version 4.x or higher     | 2.1<br>Oct 6, 2014   | zip<br>6.1 MB | <a href="#">Download</a> |

Subject to changes.