

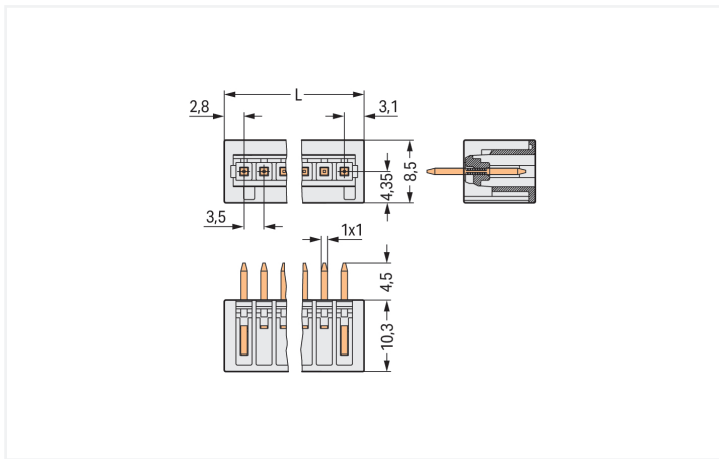
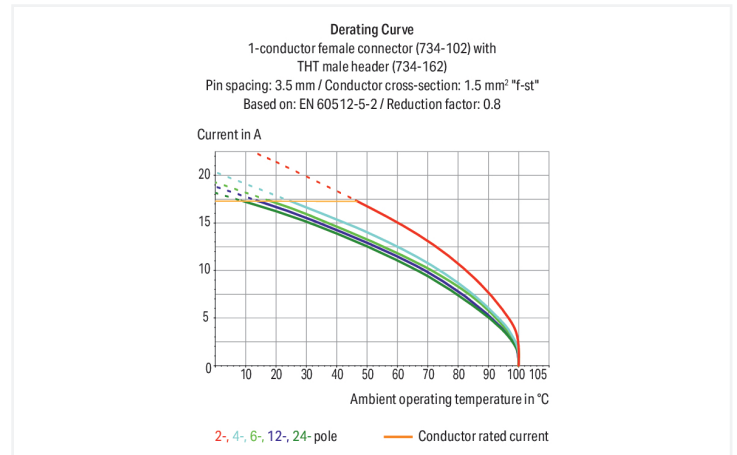
## Data Sheet | Item Number: 734-154/046-000

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 24-pole; light gray

<https://www.wago.com/734-154/046-000>



Color: ■ light gray



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$

Male connector, 734 Series, solder pin dimensions 1 x 1 mm

Effortless electrical installations are guaranteed with this male connector (item number 734-154/046-000). The dimensions are (86.4 x 14.1 x 8.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to assemble the pcb connector.



| 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<br>Gold-plated or partially gold-plated contact surfaces<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                             |

| Electrical data                 |        |                |        |
|---------------------------------|--------|----------------|--------|
| Ratings per                     |        | IEC/EN 60664-1 |        |
| Overvoltage category            | III    | III            | II     |
| Pollution degree                | 3      | 2              | 2      |
| Nominal voltage                 | 160 V  | 160 V          | 320 V  |
| Rated impulse withstand voltage | 2.5 kV | 2.5 kV         | 2.5 kV |
| Rated current                   | 10 A   | 10 A           | 10 A   |
| Approvals per                   |        | UL 1059        |        |
| Use group                       | B      | C              | D      |
| Rated voltage                   | 300 V  | -              | 300 V  |
| Rated current                   | 10 A   | -              | 10 A   |
| Approvals per                   |        | CSA            |        |
| Use group                       | B      | C              | D      |
| Rated voltage                   | 300 V  | -              | 300 V  |
| Rated current                   | 10 A   | -              | 10 A   |

| Connection Data            |    |
|----------------------------|----|
| Total number of potentials | 24 |
| Number of connection types | 1  |
| Number of levels           | 1  |
| Connection 1               |    |
| Pole number                | 24 |

| Physical data                        |                        |
|--------------------------------------|------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inches  |
| Width                                | 86.4 mm / 3.402 inches |
| Height                               | 14.1 mm / 0.555 inches |
| Height from the surface              | 8.5 mm / 0.335 inches  |
| Depth                                | 8.5 mm / 0.335 inches  |
| Solder pin length                    | 4.5 mm                 |
| Solder pin dimensions                | 1 x 1 mm               |
| Drilled hole diameter with tolerance | 1.4 (+0.1) mm          |

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



| Plug-in connection                 |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCB             |
| 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                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | light gray                                                               |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Contact material                   | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.087 MJ                                                                 |
| Weight                             | 5.3 g                                                                    |

| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +100 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 50 pcs                 |
| Packaging type        | Box                    |
| Country of origin     | DE                     |
| GTIN                  | 4050821361992          |
| Customs tariff number | 85366930000            |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| eCl@ss 10.0            | 27-44-04-02          |
| eCl@ss 9.0             | 27-44-04-02          |
| ETIM 9.0               | EC002637             |
| ETIM 10.0              | EC002637             |
| ECCN                   | NO US CLASSIFICATION |



| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

Approvals / Certificates

| General approvals                                                                |          |                  | Approvals for marine applications                                                 |           |                  |
|----------------------------------------------------------------------------------|----------|------------------|-----------------------------------------------------------------------------------|-----------|------------------|
|  |          |                  |  |           |                  |
| Approval                                                                         | Standard | Certificate Name | Approval                                                                          | Standard  | Certificate Name |
| CSA<br>DEKRA Certification B.V.                                                  | C22.2    | 1465035          | BV<br>Bureau Veritas S.A.                                                         | IEC 60998 | 11915/E0 BV      |

Downloads

| Environmental Product Compliance                    |                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|
| Compliance Search                                   |                                                                                   |
| Environmental Product Compliance<br>734-154/046-000 |  |

Documentation

| Additional Information |            |                   |                                                                                     |
|------------------------|------------|-------------------|-------------------------------------------------------------------------------------|
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

| PCB Design                                                     |                                                                                     |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Symbol and Footprint<br>via SamacSys<br>734-154/046-000        |  |
| Symbol and Footprint<br>via Ultra Librarian<br>734-154/046-000 |  |

1 Compatible Products

1.1 System counterpart

| 1.1.1 Female connector/socket                                                                                                                                        |                                                                                                                                                                      |                                                                                                                                                                                             |                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   |                                                                                   |                                                                                                         |                                                                                   |
| <a href="#">Item No.: 734-124</a><br>1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; light gray | <a href="#">Item No.: 734-554</a><br>THT female header; angled; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray | <a href="#">Item No.: 734-554/037-000</a><br>THT female header; angled; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray | <a href="#">Item No.: 734-484</a><br>THT female header; straight; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray |

1.1.1 Female connector/socket



Item No.: 734-484/037-000  
THT female header; straight; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray

1.2 Optional Accessories

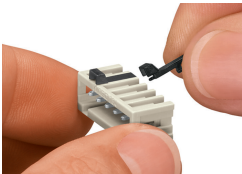
1.2.1 Coding

1.2.1.1 Coding

Item No.: 734-159  
Coding key; to be snapped above top level; black

Installation Notes

Coding



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