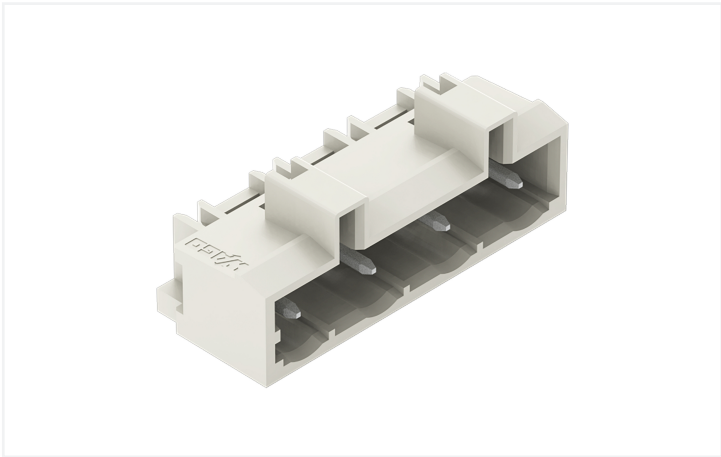
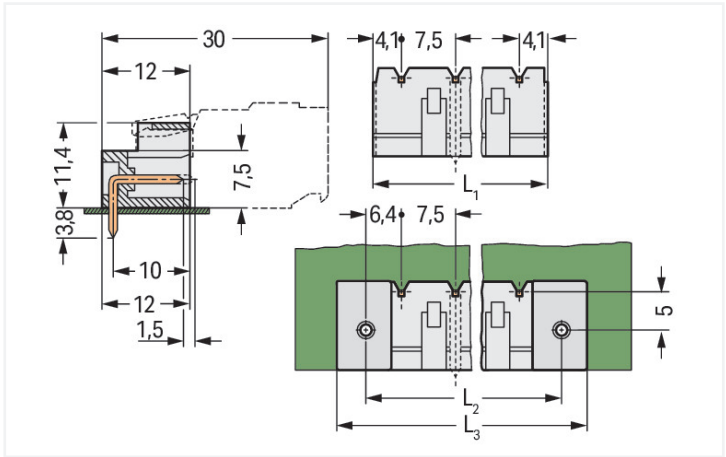


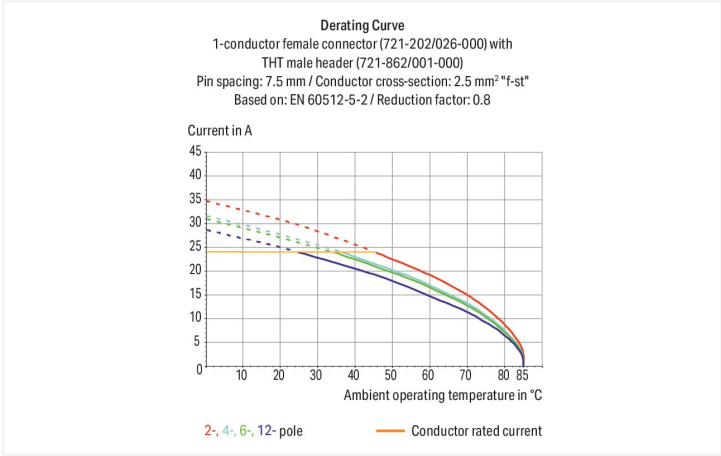
**Data Sheet | Item Number: 721-834/001-000**  
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 7.5 mm; 4-pole; light gray  
<https://www.wago.com/721-834/001-000>



Color: ■ light gray



Dimensions in mm  
L1 = (pole no. – 1) x pin spacing + 8.2 mm  
L2 = L1 + 5 mm  
L3 = L2 + 7.4 mm



- 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

| 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>3.8 mm pin projection for male headers with straight solder pins<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                      | 500 V                                    | 630 V          | 1000 V |       |
| Rated surge voltage                  | 6 kV                                     | 6 kV           | 6 kV   |       |
| Rated current                        | 12 A                                     | 12 A           | 12 A   |       |
| Approvals per                        |                                          | UL 1059        |        |       |
| Use group                            |                                          | B              | C      | D     |
| Rated voltage                        |                                          | 300 V          | -      | 300 V |
| Rated current                        |                                          | 15 A           | -      | 10 A  |
| Approvals per                        |                                          | UL 1977        |        |       |
| Rated voltage                        |                                          | 600 V          |        |       |
| Rated current                        |                                          | 10 A           |        |       |
| Approvals per                        |                                          | CSA            |        |       |
| Use group                            |                                          | B              | C      | D     |
| Rated voltage                        |                                          | 300 V          | -      | 300 V |
| Rated current                        |                                          | 15 A           | -      | 10 A  |
| Connection data                      |                                          |                |        |       |
| Total number of potentials           | 4                                        | Connection 1   |        |       |
| Number of connection types           | 1                                        | Pole number    | 4      |       |
| Number of levels                     | 1                                        |                |        |       |
| Physical data                        |                                          |                |        |       |
| Pin spacing                          | 7.5 mm / 0.295 inches                    |                |        |       |
| Width                                | 30.7 mm / 1.209 inches                   |                |        |       |
| Height                               | 15.2 mm / 0.598 inches                   |                |        |       |
| Height from the surface              | 11.4 mm / 0.449 inches                   |                |        |       |
| Depth                                | 12 mm / 0.472 inches                     |                |        |       |
| Solder pin length                    | 3.8 mm                                   |                |        |       |
| Solder pin dimensions                | 1 x 1 mm                                 |                |        |       |
| Drilled hole diameter with tolerance | 1.4 <sup>(+0.1)</sup> 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          | 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               |                                        |                                                                          |
|-----------------------------|----------------------------------------|--------------------------------------------------------------------------|
| Note (material data)        |                                        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | light gray                             |                                                                          |
| Material group              | I                                      |                                                                          |
| Insulation material         | Polyamide (PA66)                       |                                                                          |
| Flammability class per UL94 | V0                                     |                                                                          |
| Contact material            | Electrolytic copper (E <sub>CU</sub> ) |                                                                          |
| Contact plating             | Tin                                    |                                                                          |
| Fire load                   | 0.037 MJ                               |                                                                          |
| Weight                      | 1.8 g                                  |                                                                          |

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

| Commercial data       |                        |  |
|-----------------------|------------------------|--|
| Product Group         | 3 (Multi Conn. System) |  |
| eCl@ss 10.0           | 27-44-04-02            |  |
| eCl@ss 9.0            | 27-44-04-02            |  |
| ETIM 8.0              | EC002637               |  |
| ETIM 7.0              | EC002637               |  |
| PU (SPU)              | 100 pcs                |  |
| Packaging type        | Box                    |  |
| Country of origin     | PL                     |  |
| GTIN                  | 4044918869928          |  |
| Customs tariff number | 85366930000            |  |

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

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                                                                                                              |           |                  | Declarations of conformity and manufacturer's declarations                          |          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|-------------------------------------------------------------------------------------|----------|------------------|
|     |           |                  |  |          |                  |
| Approval                                                                                                                                                                                                                                                                                                                                       | Standard  | Certificate Name | Approval                                                                            | Standard | Certificate Name |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                 | IEC 61984 | NL-39756/A1      | Railway<br>WAGO GmbH & Co. KG                                                       | -        | Railway Ready    |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | C22.2     | 1466354          |                                                                                     |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                          | EN 61984  | 71-121453        |                                                                                     |          |                  |
| UR<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                           | UL 1977   | E 45171          |                                                                                     |          |                  |
| UR<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                           | UL 1059   | E45172           |                                                                                     |          |                  |



Approvals for marine applications



| Approval                                | Standard  | Certificate Name |
|-----------------------------------------|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping | -         | 19-HG1869876-PDA |
| BV<br>Bureau Veritas S.A.               | IEC 60998 | 11915/D0 BV      |

Downloads

Environmental Product Compliance

| Compliance Search                                      |
|--------------------------------------------------------|
| Environmental Product<br>Compliance<br>721-834/001-000 |
|                                                        |

Documentation

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

CAD/CAE-Data

| CAD data                        |
|---------------------------------|
| 2D/3D Models<br>721-834/001-000 |
|                                 |

| CAE data                             |
|--------------------------------------|
| EPLAN Data Portal<br>721-834/001-000 |
|                                      |

|                                 |
|---------------------------------|
| ZUKEN Portal<br>721-834/001-000 |
|                                 |

| PCB Design                                                     |
|----------------------------------------------------------------|
| Symbol and Footprint<br>via SamacSys<br>721-834/001-000        |
|                                                                |
| Symbol and Footprint<br>via Ultra Librarian<br>721-834/001-000 |
|                                                                |



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 721-204/026-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; 2,50 mm²; light gray



[Item No.: 721-204/031-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



[Item No.: 721-204/037-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



[Item No.: 721-204/037-000/033-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 2,50 mm²; light gray



[Item No.: 2721-204/026-000](#)  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; 2,50 mm²; light gray



[Item No.: 2721-204/031-000](#)  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



[Item No.: 2721-204/037-000](#)  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



[Item No.: 721-2204/037-000](#)  
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



[Item No.: 721-2204/026-000](#)  
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



[Item No.: 231-130](#)  
Coding key; snap-on type; light gray

1.2.2 Marking

1.2.2.1 Marking strip



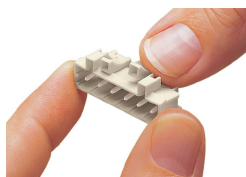
[Item No.: 210-833](#)  
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white



[Item No.: 210-834](#)  
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

## Installation Notes

### Coding



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