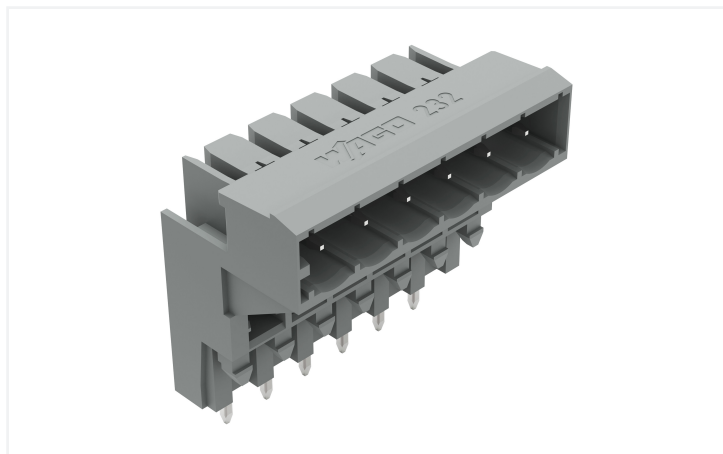


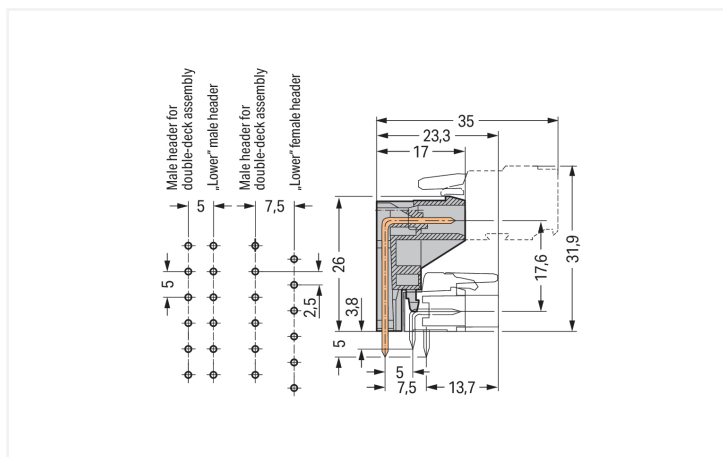
## Data Sheet | Item Number: 232-336

THT male header for double-deck assembly; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 6-pole; gray

<https://www.wago.com/232-336>



Color: ■ gray



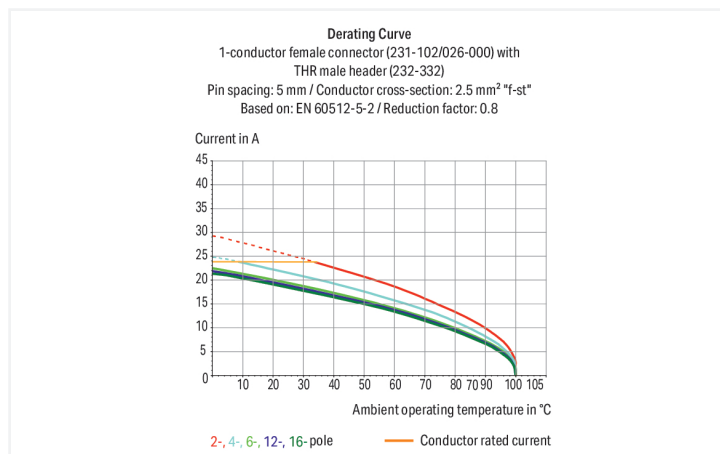
Dimensions in mm

Length = (pole no. - 1) x pin spacing + 8.2 mm  
The solder pins of the "lower" male headers are in line. The solder pins of the "lower" female headers are staggered by half a pin spacing.

Male connector, 232 Series, with 5 mm pin spacing

Enjoy seamless electrical installations with this male connector (item number 232-336). The dimensions are (33.2 x 31 x 17) mm (width x height x depth).

The contact surface is coated with tin. 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                 |  | 320 V          | 320 V | 630 V |
| Rated impulse withstand voltage |  | 4 kV           | 4 kV  | 4 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                   |  | 10 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                   |  | 10 A           | -     | 10 A  |

| Connection Data            |   |
|----------------------------|---|
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |
| Connection 1               |   |
| Pole number                | 6 |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 33.2 mm / 1.307 inches |
| Height                  | 31 mm / 1.22 inches    |
| Height from the surface | 26 mm / 1.024 inches   |
| Depth                   | 17 mm / 0.669 inches   |
| Solder pin length       | 5 mm                   |
| Solder pin dimensions   | 1 x 1 mm               |
| !                       | 1.4 (+0.1) mm          |

| Mechanical data          |     |
|--------------------------|-----|
| Variable coding          | No  |
| Anti-rotation protection | Yes |



| Plug-in connection                 |  |                     |
|------------------------------------|--|---------------------|
| Contact type (pluggable connector) |  | Male connector/plug |
| Connector (connection type)        |  | for PCB             |
| Mismating protection               |  | No                  |
| 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                              |  | 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                          |  | 0.135 MJ                                                                 |
| Weight                             |  | 6.5 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     |  | PL                     |
| GTIN                  |  | 4044918685474          |
| 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 |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                         | IEC 61984 | NL-113351        | ABS<br>American Bureau of Ship-<br>ping                                                                                                                                                                                                                  | -         | 24-0095975-PDA   |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                        | C22.2     | 1466354          | DNV<br>DNV GL SE                                                                                                                                                                                                                                         | -         | TAE000016Z       |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                  | EN 61984  | 71-130478 REV.1  | LR<br>Lloyds Register                                                                                                                                                                                                                                    | IEC 61984 | 96/20035 (E5)    |
| UL<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                                                                                                | UL 1059   | E45172           |                                                                                                                                                                                                                                                          |           |                  |
| UR<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                                                                                                | UL 1977   | E45171           |                                                                                                                                                                                                                                                          |           |                  |

Downloads

| Environmental Product Compliance            |                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search                           |                                                                                     |
| Environmental Product<br>Compliance 232-336 |  |

Documentation

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

CAD/CAE-Data

| CAD data             |                                                                                     | CAE data                     |                                                                                       |
|----------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|
| 2D/3D Models 232-336 |  | EPLAN Data Portal<br>232-336 |  |
|                      |                                                                                     | ZUKEN Portal 232-336         |  |

|                                                        |                                                                                   |
|--------------------------------------------------------|-----------------------------------------------------------------------------------|
| PCB Design                                             |                                                                                   |
| Symbol and Footprint<br>via SamacSys 232-336           |  |
| Symbol and Footprint<br>via Ultra Librarian<br>232-336 |  |

|                               |
|-------------------------------|
| 1 Compatible Products         |
| 1.1 System counterpart        |
| 1.1.1 Female connector/socket |



**Item No.: 231-106/026-000**  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 6-pole; gray

|                          |
|--------------------------|
| 1.2 Optional Accessories |
| 1.2.1 Coding             |
| 1.2.1.1 Coding           |

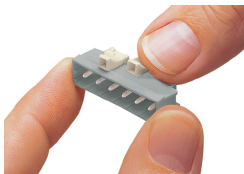


**Item No.: 231-129**  
Coding key; snap-on type; light gray



**Item No.: 231-160**  
Coding pin; for coding lower male headers; push-in type; light gray

|                    |
|--------------------|
| Installation Notes |
| Coding             |



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