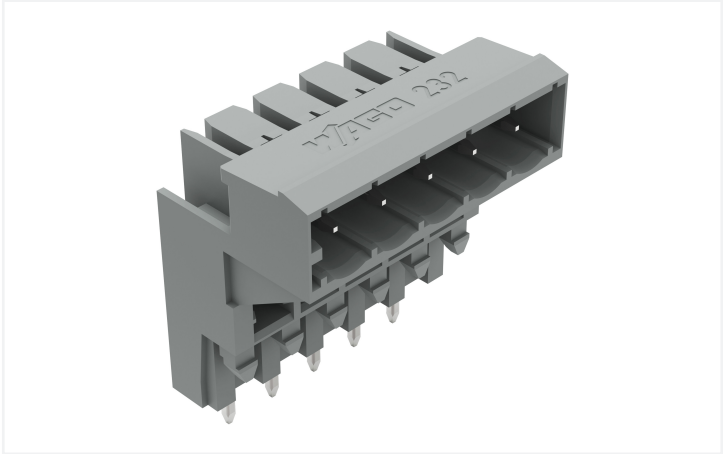
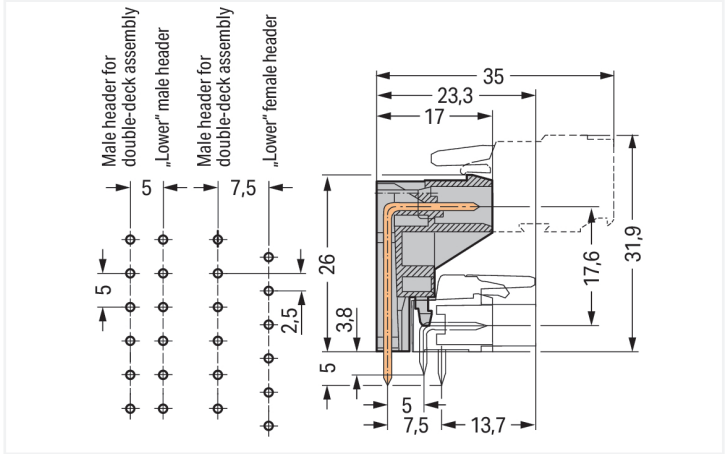
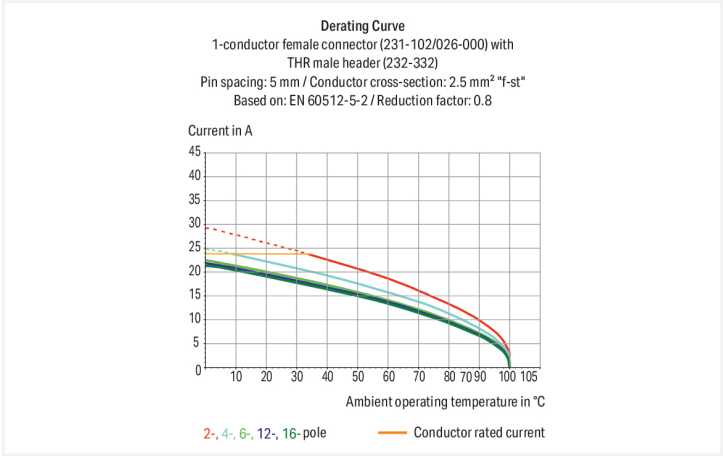




Color: ■ gray



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.



Stiftleiste Serie 232 mit Lötstiftabmessungen 1 x 1 mm

Die Stiftleiste hat die Artikelnummer 232-335 und bietet eine fehlerfreie Elektroinstallation. Mit unseren Leiterplatten-Steckverbindern bekommen Sie ein universelles Steckverbindersystem, das vielseitig Verwendung finden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. In Breite x Höhe x Tiefe sind die Maße (28,2 x 31 x 17) mm. Die Oberfläche der Kontakte ist aus Zinn. Das MCS – "Multi Connection System" von WAGO ist ein vielfältiges Steckverbindersystem für Ihre durchgängige Systemverdrahtung. Es ermöglicht Ihnen eine vereinfachte Verdrahtung in der Kabelvorkonfektionierung und auf Geräten durch zwei Betätigungsrichtungen für die CAGE CLAMP®-Varianten. Die Verlötung des Leiterplatten-Steckverbinders erfolgt mittels THT.

| 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 |       |               | Approvals per |   |
|                      |       | UL 1059        |       |               |               |   |
| Overvoltage category | III   | III            | II    | Use group     | B             | C |
| Pollution degree     | 3     | 2              | 2     | Rated voltage | 300 V         | - |
| Nominal voltage      | 320 V | 320 V          | 630 V | Rated current | 10 A          | - |
| Rated surge voltage  | 4 kV  | 4 kV           | 4 kV  |               |               |   |
| Rated current        | 12 A  | 12 A           | 12 A  |               |               |   |

| Approvals per |  | UL 1977 |  |  | Approvals per |       |
|---------------|--|---------|--|--|---------------|-------|
|               |  | CSA     |  |  |               |       |
| Rated voltage |  | 600 V   |  |  | Use group     | B     |
| Rated current |  | 10 A    |  |  | Rated voltage | 300 V |
|               |  |         |  |  | Rated current | 10 A  |

| Connection data            |   |              |   |
|----------------------------|---|--------------|---|
| Total number of potentials | 5 | Connection 1 |   |
| Number of connection types | 1 | Pole number  | 5 |
| Number of levels           | 1 |              |   |

| Physical data                        |                                      |                       |
|--------------------------------------|--------------------------------------|-----------------------|
| Pin spacing                          | Pin spacing                          | 5 mm / 0.197 inches   |
| Width                                | Width                                | 28.2 mm / 1.11 inches |
| Height                               | Height                               | 31 mm / 1.22 inches   |
| Height from the surface              | Height from the surface              | 26 mm / 1.024 inches  |
| Depth                                | Depth                                | 17 mm / 0.669 inches  |
| Solder pin length                    | Solder pin length                    | 5 mm                  |
| Solder pin dimensions                | Solder pin dimensions                | 1 x 1 mm              |
| Drilled hole diameter with tolerance | Drilled hole diameter with tolerance | 1.4 (+0.1) mm         |

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

| Plug-in connection                 |                                    |                     |
|------------------------------------|------------------------------------|---------------------|
| Contact type (pluggable connector) | Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | Connector (connection type)        | for PCB             |
| Mismating protection               | Mismating protection               | No                  |
| Mating direction to the PCB        | Mating direction to the PCB        | 0 °                 |

| PCB contact                         |                                     |                                          |
|-------------------------------------|-------------------------------------|------------------------------------------|
| PCB contact                         | PCB contact                         | THT                                      |
| Solder pin arrangement              | Solder pin arrangement              | over the entire male connector (in-line) |
| Number of solder pins per potential | 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                          | 0.144 MJ                                                                 |
| Weight                             | 4.6 g                                                                    |

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

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 100 pcs                |
| Packaging type        | Box                    |
| Country of origin     | PL                     |
| GTIN                  | 4044918685467          |
| 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 8.0               | 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                                                                                                                                                                                                                        | -         | 19-HG15869876-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   | UL-US-<br>L45172-6187117-81111991-1 |                                                                                                                                                                                                                                                                |           |                   |
| UR<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                                                                                                        | UL 1977   | E45171                              |                                                                                                                                                                                                                                                                |           |                   |



Downloads

Environmental Product Compliance

|                                          |  |  |                   |
|------------------------------------------|--|--|-------------------|
| Compliance Search                        |  |  |                   |
| Environmental Product Compliance 232-335 |  |  | <a href="#">↓</a> |

Documentation

|                        |            |                   |                   |
|------------------------|------------|-------------------|-------------------|
| Additional Information |            |                   |                   |
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB | <a href="#">↓</a> |

CAD/CAE-Data

|                      |  |  |                   |
|----------------------|--|--|-------------------|
| CAD data             |  |  |                   |
| 2D/3D Models 232-335 |  |  | <a href="#">↓</a> |

|                           |                   |
|---------------------------|-------------------|
| CAE data                  |                   |
| EPLAN Data Portal 232-335 | <a href="#">↓</a> |
| ZUKEN Portal 232-335      | <a href="#">↓</a> |

|                                                  |                   |
|--------------------------------------------------|-------------------|
| PCB Design                                       |                   |
| Symbol and Footprint via SamacSys 232-335        | <a href="#">↓</a> |
| Symbol and Footprint via Ultra Librarian 232-335 | <a href="#">↓</a> |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 231-105/026-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; gray

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

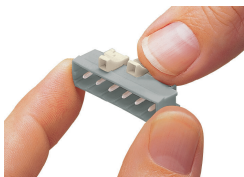


[Item No.: 231-129](#)  
Coding key; snap-on type; light gray



[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).