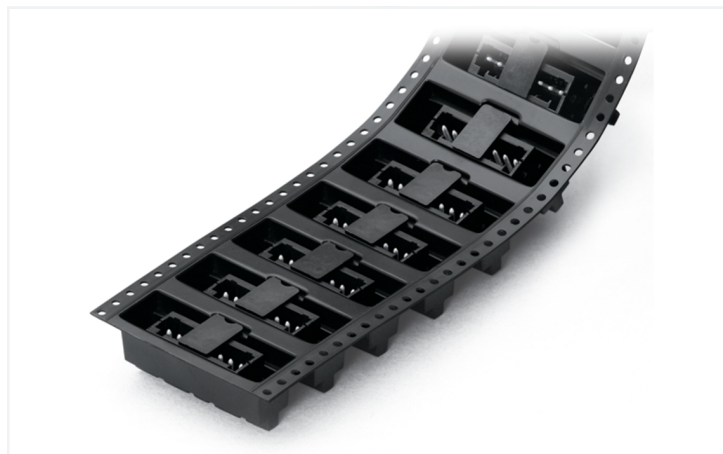


## Data Sheet | Item Number: 733-340/105-604/997-446

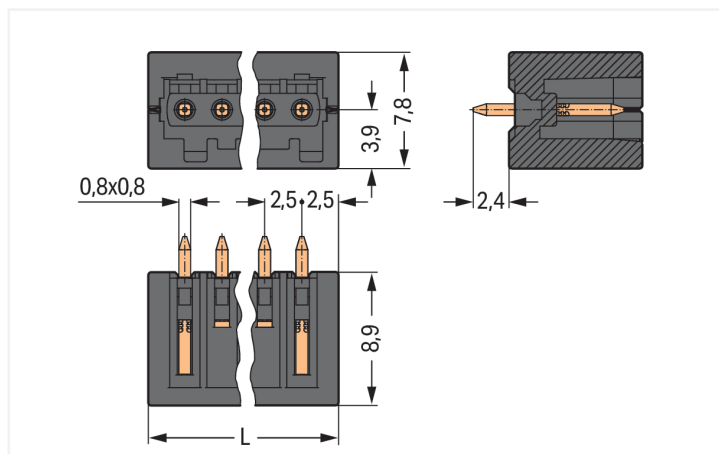
THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 10-pole; black

<https://www.wago.com/733-340/105-604/997-446>



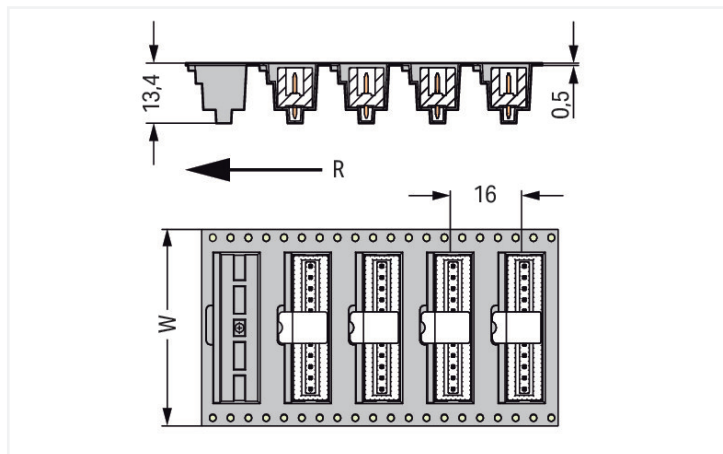
Color: ■ black

Similar to illustration



Dimensions in mm

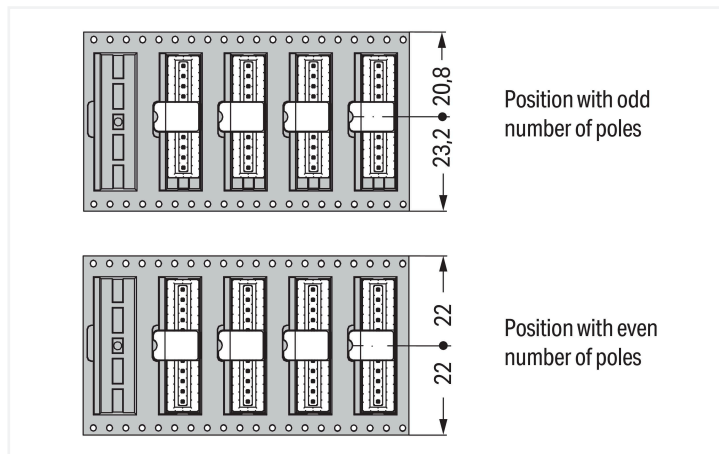
$L = (\text{pole no.} + 1) \times \text{pin spacing}$



Dimensions in mm

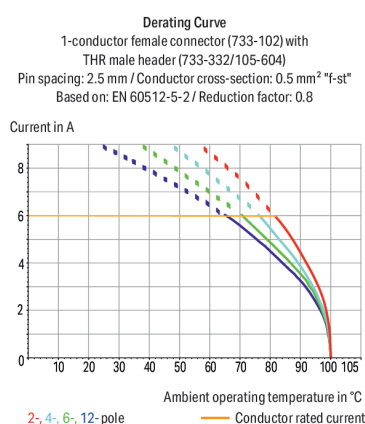
W = tape width

R = feed direction



Dimensions in mm

Pin position in tape-and-reel packaging



### Stiftleiste Serie 733, schwarz

Die Stiftleiste (Artikelnummer 733-340/105-604/997-446) bietet eine reibungslose Elektroinstallation. Unsere Leiterplatten-Steckverbinder gewähren Ihnen die größtmögliche Flexibilität bei unterschiedlichen Montagearten. Die Maße sind in Breite x Höhe x Tiefe (27,5 x 11,3 x 7,8) mm. Für die Kontaktberfläche wurde Zinn verwendet. Das MCS – "Multi Connection System" von WAGO umfasst insgesamt 7 Familien in den Rastermaßen 2,5 mm bis 10,16 mm und bietet mit dem Leiterquerschnittsbereich von 0,08 bis 25 mm<sup>2</sup> ein großes Portfolio an Einsatzmöglichkeiten. Die Verlotung des Leiterplatten-Steckverbinders erfolgt mittels THR.



| 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>Other solder pin lengths<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       | D |
| Pollution degree     | 3      | 2              | 2      |  | Rated voltage | 150 V | -       | - |
| Nominal voltage      | 80 V   | 160 V          | 320 V  |  | Rated current | 4 A   | -       | - |
| Rated surge voltage  | 2.5 kV | 2.5 kV         | 2.5 kV |  |               |       |         |   |
| Rated current        | 6 A    | 6 A            | 6 A    |  |               |       |         |   |
| Approvals per        |        | CSA            |        |  |               |       |         |   |
| Use group            | B      | C              | D      |  |               |       |         |   |
| Rated voltage        | 150 V  | -              | -      |  |               |       |         |   |
| Rated current        | 4 A    | -              | -      |  |               |       |         |   |

| Connection data            |    |  |
|----------------------------|----|--|
| Total number of potentials | 10 |  |
| Number of connection types | 1  |  |
| Number of levels           | 1  |  |
| Connection 1               |    |  |
| Pole number                | 10 |  |

| Physical data                            |                        |
|------------------------------------------|------------------------|
| Pin spacing                              | 2.5 mm / 0.098 inches  |
| Width                                    | 27.5 mm / 1.083 inches |
| Height                                   | 11.3 mm / 0.445 inches |
| Height from the surface                  | 8.9 mm / 0.35 inches   |
| Depth                                    | 7.8 mm / 0.307 inches  |
| Solder pin length                        | 2.4 mm                 |
| Solder pin dimensions                    | 0.8 x 0.8 mm           |
| Plated through-hole diameter (THR)       | 1.2 (+0.1) mm          |
| Reel diameter of tape-and-reel packaging | 330 mm                 |
| Tape width                               | 44 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                         | THR                                      |
| 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                              | black                                                                    |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyphthalamide (PPA GF)                                                 |
| Flammability class per UL94        | V0                                                                       |
| Contact material                   | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.033 MJ                                                                 |
| Weight                             | 1.5 g                                                                    |
| MSL per J-STD 020D                 | 1                                                                        |

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

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 290 pcs       |
| Packaging type        | Bag           |
| Country of origin     | DE            |
| GTIN                  | 4045454774424 |
| 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 |

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

| Documentation          |            |                   |                   |
|------------------------|------------|-------------------|-------------------|
| Additional Information |            |                   |                   |
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB | <a href="#">↓</a> |
|                        |            | pdf<br>535.32 KB  | <a href="#">↓</a> |

| CAD/CAE-Data      |                   |
|-------------------|-------------------|
| CAD data          | PCB Design        |
| <a href="#">↓</a> | <a href="#">↓</a> |
|                   | <a href="#">↓</a> |

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



**Item No.: 733-110**  
1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 10-pole; 100% protected against mismatching; 0,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

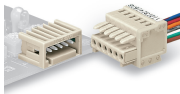
1.2.1.1 Coding



Item No.: [733-331](#)  
Coding key; snap-on type; black

Installation Notes

Mismating protection



Male headers and female connectors are 100% protected against mismating. Only mating halves with the same pole number can be connected.

Coding



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