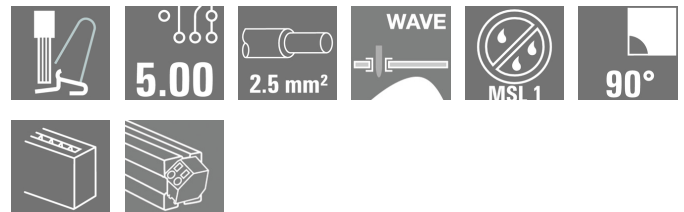
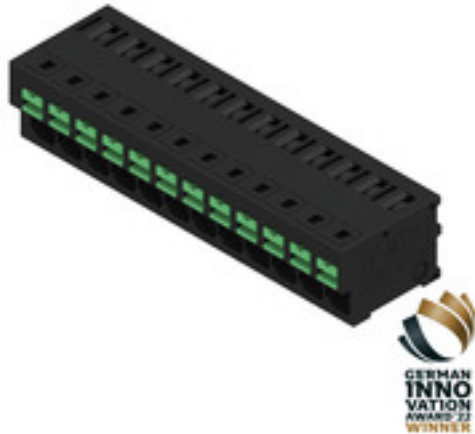


**MTS 5/12 H T4 B T****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****SNAP IN** **General ordering data**

|              |                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------|
| Version      | Printed circuit board terminals, PCB terminal, THT solder connection, Pitch in mm (P): 5.00 mm, Number of poles: 12, Tube |
| Order No.    | <a href="#">2913700000</a>                                                                                                |
| Type         | MTS 5/12 H T4 B T                                                                                                         |
| GTIN (EAN)   | 4099986539693                                                                                                             |
| Qty.         | 8 pc(s).                                                                                                                  |
| Product data | IEC: 400 V / 32 A / 0.5 - 4 mm²<br>UL: 300 V / 18.5 A                                                                     |
| Packaging    | Tube                                                                                                                      |

Creation date December 19, 2023 6:01:45 AM CET

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## Technical data

## Dimensions and weights

|                          |            |                 |            |
|--------------------------|------------|-----------------|------------|
| Depth                    | 18.85 mm   | Depth (inches)  | 0.742 inch |
| Height                   | 16.7 mm    | Height (inches) | 0.657 inch |
| Height of lowest version | 13.2 mm    | Width           | 62.3 mm    |
| Width (inches)           | 2.453 inch | Net weight      | 17.4 g     |

## Temperatures

|                          |                  |
|--------------------------|------------------|
| Installation temperature | -50 °C to +70 °C |
|--------------------------|------------------|

## System parameters

|                                              |                        |       |  |
|----------------------------------------------|------------------------|-------|--|
| Product family                               | OMNIMATE 4.0           |       |  |
| Wire connection method                       | SNAP IN                |       |  |
| Mounting onto the PCB                        | THT solder connection  |       |  |
| Conductor outlet direction                   | 90°                    |       |  |
| Pitch in mm (P)                              | 5 mm                   |       |  |
| Pitch in inches (P)                          | 0.197 "                |       |  |
| Number of poles                              | 12                     |       |  |
| Pin series quantity                          | 1                      |       |  |
| Number of rows                               | 1                      |       |  |
| Solder pin length (l)                        | 3.5 mm                 |       |  |
| Solder pin dimensions                        | 0.6 x 0.8 mm           |       |  |
| Solder eyelet hole diameter (D)              | 1.3 mm                 |       |  |
| Solder eyelet hole diameter tolerance (D)+   | 0,1 mm                 |       |  |
| Number of solder pins per pole               | 2                      |       |  |
| Stripping length                             | 9 mm                   |       |  |
| Stripping length tolerance                   | min.                   | 8 mm  |  |
|                                              | max.                   | 10 mm |  |
| L1 in mm                                     | 55 mm                  |       |  |
| L1 in inches                                 | 2.165 "                |       |  |
| Touch-safe protection acc. to DIN VDE 0470   | IP 20                  |       |  |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch |       |  |
| Protection degree                            | IP20                   |       |  |

## Material data

|                                  |          |                             |          |
|----------------------------------|----------|-----------------------------|----------|
| Insulating material              | PA 9T    | Colour                      | black    |
| Colour chart (similar)           | RAL 9011 | Insulating material group   | I        |
| Comparative Tracking Index (CTI) | ≥ 600    | Moisture Level (MSL)        | 1        |
| UL 94 flammability rating        | V-0      | Contact material            | Cu-alloy |
| Contact surface                  | tinned   | Tinning type                | matt     |
| Storage temperature, min.        | -25 °C   | Storage temperature, max.   | 55 °C    |
| Operating temperature, min.      | -50 °C   | Operating temperature, max. | 120 °C   |

## Conductors suitable for connection

|                                         |                      |
|-----------------------------------------|----------------------|
| Clamping range, min.                    | 0.34 mm <sup>2</sup> |
| Clamping range, max.                    | 4 mm <sup>2</sup>    |
| Wire connection cross section AWG, min. | AWG 20               |
| Wire connection cross section AWG, max. | AWG 12               |
| Solid, min. H05(07) V-U                 | 0.5 mm <sup>2</sup>  |

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|                                                 |                                        |                              |                             |  |
|-------------------------------------------------|----------------------------------------|------------------------------|-----------------------------|--|
| Solid, max. H05(07) V-U                         | 2.5 mm²                                |                              |                             |  |
| Flexible, min. H05(07) V-K                      | 0.5 mm²                                |                              |                             |  |
| Flexible, max. H05(07) V-K                      | 4 mm²                                  |                              |                             |  |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.34 mm²                               |                              |                             |  |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm²                                |                              |                             |  |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.5 mm²                                |                              |                             |  |
| w. wire end ferrule, DIN 46228 pt 1, max.       | 2.5 mm²                                |                              |                             |  |
| Outer diameter of insulation, min.              | 0.34 mm                                |                              |                             |  |
| Outer diameter of insulation, max.              | 4 mm                                   |                              |                             |  |
| Clampable conductor                             | Cross-section for conductor connection | nominal                      | 0.34 mm                     |  |
|                                                 | wire end ferrule                       | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H0.34/12 TK</a> |  |
|                                                 | Cross-section for conductor connection | nominal                      | 0.5 mm²                     |  |
|                                                 | wire end ferrule                       | Stripping length             | nominal 12 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H0.5/16 OR</a>  |  |
|                                                 |                                        | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H0.5/10</a>     |  |
|                                                 | Cross-section for conductor connection | nominal                      | 0.75 mm²                    |  |
|                                                 | wire end ferrule                       | Stripping length             | nominal 12 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H0.75/16 W</a>  |  |
|                                                 |                                        | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H0.75/10</a>    |  |
|                                                 | Cross-section for conductor connection | nominal                      | 1 mm²                       |  |
|                                                 | wire end ferrule                       | Stripping length             | nominal 12 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H1.0/16 GE</a>  |  |
|                                                 |                                        | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H1.0/10</a>     |  |
|                                                 | Cross-section for conductor connection | nominal                      | 1.5 mm²                     |  |
|                                                 | wire end ferrule                       | Stripping length             | nominal 12 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H1.5/16 R</a>   |  |
|                                                 |                                        | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H1.5/10</a>     |  |
|                                                 | Cross-section for conductor connection | nominal                      | 2.5 mm²                     |  |
|                                                 | wire end ferrule                       | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H2.5/15D BL</a> |  |
|                                                 |                                        | Stripping length             | nominal 10 mm               |  |
|                                                 |                                        | Recommended wire-end ferrule | <a href="#">H2.5/10</a>     |  |

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## Technical data

## Rated data acc. to IEC

|                                                                           |                        |                                                                       |       |
|---------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------|-------|
| tested acc. to standard                                                   | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C)                         | 32 A  |
| Rated current, max. number of poles (Tu=20°C)                             | 32 A                   | Rated current, min. number of poles (Tu=40°C)                         | 32 A  |
| Rated current, max. number of poles (Tu=40°C)                             | 32 A                   | Rated voltage for surge voltage class / pollution degree II/2         | 400 V |
| Rated voltage for surge voltage class / pollution degree III/2            | 320 V                  | Rated voltage for surge voltage class / pollution degree III/3        | 250 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 4 kV                   | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 4 kV  |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 4 kV                   |                                                                       |       |

## Rated data acc. to UL 1059

|                                       |        |                                       |        |
|---------------------------------------|--------|---------------------------------------|--------|
| Rated voltage (Use group B / UL 1059) | 300 V  | Rated voltage (Use group D / UL 1059) | 300 V  |
| Rated voltage (Use group F / UL 1059) | 420 V  | Rated current (Use group B / UL 1059) | 18.5 A |
| Rated current (Use group D / UL 1059) | 10 A   | Clearance distance, min.              | 4 mm   |
| Creepage distance, min.               | 5.6 mm |                                       |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002643    | ETIM 7.0    | EC002643    |
| ETIM 8.0    | EC002643    | ETIM 9.0    | EC002643    |
| ECLASS 9.0  | 27-44-04-01 | ECLASS 9.1  | 27-44-04-01 |
| ECLASS 10.0 | 27-44-04-01 | ECLASS 11.0 | 27-46-01-01 |
| ECLASS 12.0 | 27-46-01-01 | ECLASS 13.0 | 27460101    |

## Important note

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IPC conformity | Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.                                                                                                                                   |
| Notes          | <ul style="list-style-type: none"> <li>Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>P on drawing = pitch</li> <li>Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> <li>Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul> |

## Downloads

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of the Manufacturer</a>       |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                       |
| Product Change Notification                 | <a href="#">Technical change to MTS 5 - Packaging</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>              |

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## Drawings

### Product image

