PCB Terminal Blocks
and Connectors for Power Electronics
More Power on Your PCB
MORE POWER ON YOUR PCB

More Power no Longer Means More Space!

The trend toward electronic miniaturization requires that both power and signal levels be integrated on PCBs. The results: increased power density requiring connection technologies suited for both compact and high-performance PCB terminal blocks and connectors.

Connection technology is also a basic criterion for selecting the right terminal block/connector in demanding applications, such as power supplies, frequency inverters or servo drives. Additional decisive factors include simple and easy operation, as well as wiring flexibility.

Every Advantage – All in One
WAGO combines all these criteria into a comprehensive and varied range of PCB terminal blocks and connectors for power electronics. WAGO’s PCB terminal blocks can be operated via lever or operating tool.

A multitude of variants are available in various pin spacings allowing currents up to 101 A (IEC) or 85 A (UL) and voltages up to 1000 V (IEC) or 600 V (UL) to be transmitted in double-pinning configuration.

WAGO’s lever-equipped MCS MAXI 6 and MAXI 16 Connectors enable intuitive actuation without tools for simple, secure in-hand wiring.

Both PCB terminal blocks and connectors also offer a unique space-saving feature: Beyond their nominal cross section, they connect most solid and fine-stranded conductors up to the next larger cross section size. This saves space on the PCB and reduces device connection costs.

Thanks to WAGO’s innovative spring pressure connection technology, our PCB terminal blocks and connectors for all applications ideally blend ergonomics and safety. Push-in CAGE CLAMP® enables solid and ferruled conductors to be connected by simply pushing them into the unit, while guaranteeing secure and maintenance-free connections for all conductor types. Furthermore, our products are not only simple and easy to use, but also offer maximum wiring flexibility.

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Learn more at: www.wago.com/powerelectronics

Advantages:
- Comprehensive product range: 0.2 … 25 mm² (24–4 AWG)
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Wide conductor range and higher current carrying capacity
- Conductor connection and mating direction both horizontal and vertical to the PCB
- Testing both parallel and perpendicular to conductor entry
WAGO’s PCB terminal blocks with Push-in CAGE CLAMP® are ideal for compact device connections. They are compatible with existing industrial solutions and can be perfectly integrated into both space-limited and panel feedthrough applications.

Push-in CAGE CLAMP® is suitable for all conductor types and enables solid and ferruled conductors to be connected by simply pushing them into the unit. Tool-actuated termination is performed parallel to conductor entry. WAGO’s PCB terminal blocks terminate conductors both horizontally and vertically to the PCB. Furthermore, they can be tested both parallel and perpendicular to conductor entry.

Advantages:
- Compact device connection
- Ideal for panel feedthrough and space-restricted applications
- Operation parallel to conductor entry
- Compatibility with existing industrial solutions
- For applications complying with EN and UL 61800-5-1 (details upon request)

Conductor Range:

<table>
<thead>
<tr>
<th>Conductor Range</th>
<th>[mm²]</th>
<th>0.2</th>
<th>0.34</th>
<th>0.5</th>
<th>0.75</th>
<th>1.5</th>
<th>2.5</th>
<th>4</th>
<th>6</th>
<th>10</th>
<th>16</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>2624 Series All conductor types</td>
<td>&quot;s&quot; + &quot;f-st&quot;</td>
<td>Pin spacing: 5 / 7.5 / 11.5 mm</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2626 Series All conductor types</td>
<td>&quot;s&quot; + &quot;f-st&quot;</td>
<td>Pin spacing: 7.5 mm / 12.5 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2616 Series All conductor types</td>
<td>&quot;f-st&quot;</td>
<td>Pin spacing: 10 mm / 15 mm</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

WAGO’s lever-equipped PCB terminal blocks offer faster and easier wiring. They combine a compact design, high current carrying capacity and the advantages of Push-in CAGE CLAMP® with the benefits of intuitive lever operation. The lever permits 100% tool-free operation and provides a secure connection when the easy-to-use lever closes the clamping unit. The lever also clearly locks in position (open/closed) with a tactile and audible click.

WAGO’s PCB terminal blocks with levers terminate conductors both horizontally and vertically to the PCB.

Advantages:
- The lever engages and keeps the clamping point open, freeing hands for quick and easy wiring.
- The lever position clearly signals whether the clamping point is open or closed.
- All conductor types can be connected and disconnected without tools.
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

Conductor Range:

<table>
<thead>
<tr>
<th>Conductor Range</th>
<th>[mm²]</th>
<th>0.2</th>
<th>0.34</th>
<th>0.5</th>
<th>0.75</th>
<th>1.5</th>
<th>2.6</th>
<th>4</th>
<th>6</th>
<th>10</th>
<th>16</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>2604 Series All conductor types</td>
<td>&quot;s&quot; + &quot;f-st&quot;</td>
<td>Pin spacing: 5 / 7.5 / 11.5 mm</td>
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<td>2606 Series All conductor types</td>
<td>&quot;s&quot; + &quot;f-st&quot;</td>
<td>Pin spacing: 7.5 mm / 12.5 mm</td>
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<tr>
<td>2616 Series All conductor types</td>
<td>&quot;f-st&quot;</td>
<td>Pin spacing: 10 mm / 15 mm</td>
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</table>

All conductor types including ferruled without restriction
- "s" Only solid conductors
- "f-st" Only fine-stranded conductors
## PCB TERMINAL BLOCKS

### 2624 Series
- Push-in termination of solid conductors
- Insert fine-stranded conductors and remove all conductor types via operating tool.

<table>
<thead>
<tr>
<th>Pin spacing</th>
<th>5 mm</th>
<th>7.5 mm</th>
<th>11.5 mm</th>
<th>Conductor Data</th>
<th>Connection technology</th>
</tr>
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<tbody>
<tr>
<td>Rated surge voltage (II / 2)</td>
<td>230 V</td>
<td>400 V</td>
<td>630 V</td>
<td>1000 V</td>
<td>Push-in CAGE CLAMP&lt;sup&gt;®&lt;/sup&gt;</td>
</tr>
<tr>
<td>Rated surge voltage (II / 2)</td>
<td>630 V</td>
<td>1000 V</td>
<td>1000 V</td>
<td>1000 V</td>
<td>Push-in CAGE CLAMP&lt;sup&gt;®&lt;/sup&gt;</td>
</tr>
<tr>
<td>Pin spacing</td>
<td>5 mm</td>
<td>7.5 mm</td>
<td>11.5 mm</td>
<td>Conductor Data</td>
<td>Connection technology</td>
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<tr>
<td>Rated current</td>
<td>32 A</td>
<td>32 A</td>
<td>32 A</td>
<td>AWG</td>
<td>26.4 – 10</td>
</tr>
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</table>

Learn more at: [www.wago.com/2624](http://www.wago.com/2624)

### 2604 Series
- Push-in termination of solid conductors
- Insert fine-stranded conductors – and remove all conductors – via operating tool.

<table>
<thead>
<tr>
<th>Pin spacing</th>
<th>5 mm</th>
<th>7.5 mm</th>
<th>11.5 mm</th>
<th>Conductor Data</th>
<th>Connection technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated surge voltage (II / 2)</td>
<td>320 V</td>
<td>400 V</td>
<td>630 V</td>
<td>1000 V</td>
<td>Push-in CAGE CLAMP&lt;sup&gt;®&lt;/sup&gt;</td>
</tr>
<tr>
<td>Rated surge voltage (II / 2)</td>
<td>630 V</td>
<td>1000 V</td>
<td>1000 V</td>
<td>1000 V</td>
<td>Push-in CAGE CLAMP&lt;sup&gt;®&lt;/sup&gt;</td>
</tr>
<tr>
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<td>7.5 mm</td>
<td>11.5 mm</td>
<td>Conductor Data</td>
<td>Connection technology</td>
</tr>
<tr>
<td>Rated current</td>
<td>32 A</td>
<td>32 A</td>
<td>32 A</td>
<td>AWG</td>
<td>24.4 – 12</td>
</tr>
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</table>

Learn more at: [www.wago.com/2604](http://www.wago.com/2604)
PCB TERMINAL BLOCKS

2626 Series

- PCB terminal block with tool operation and Push-in CAGE CLAMP®
- Straight or angled type
- Ideal for panel feedthrough applications via operation parallel to conductor entry

PCB terminal block for panel feed-through connections

Push-in termination of solid conductors

Insert fine-stranded conductors and remove all conductor types via operating tool.

<table>
<thead>
<tr>
<th>Pole No.</th>
<th>Item No.</th>
<th>Pin spacing</th>
<th>Conductor Data</th>
<th>Connection technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 mm</td>
<td>12.5 mm</td>
<td>7.5 mm</td>
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<td>2626-1361/00-0000</td>
<td>2626-3101/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>2</td>
<td>2626-1102/00-0000</td>
<td>2626-1362/00-0000</td>
<td>2626-3102/00-0000</td>
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<tr>
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<td>2626-1103/00-0000</td>
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<tr>
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<td>2626-1365/00-0000</td>
<td>2626-3105/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
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<td>2626-1366/00-0000</td>
<td>2626-3106/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
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<tr>
<td>7</td>
<td>2626-1107/00-0000</td>
<td>2626-1367/00-0000</td>
<td>2626-3107/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
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<tr>
<td>8</td>
<td>2626-1108/00-0000</td>
<td>2626-1368/00-0000</td>
<td>2626-3108/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
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<tr>
<td>9</td>
<td>2626-1109/00-0000</td>
<td>2626-1369/00-0000</td>
<td>2626-3109/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
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<tr>
<td>10</td>
<td>2626-1110/00-0000</td>
<td>2626-1370/00-0000</td>
<td>2626-3110/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>11</td>
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<td>2626-1371/00-0000</td>
<td>2626-3111/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>12</td>
<td>2626-1112/00-0000</td>
<td>2626-1372/00-0000</td>
<td>2626-3112/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
</tbody>
</table>

Rated current

12 A

Rated surge voltage

41 A

2606 Series

- PCB terminal block with lever and Push-in CAGE CLAMP®
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.
- Straight or angled type

PCB terminal block for power supplies

Push-in termination of solid conductors

Insert fine-stranded conductors – and remove all conductors – via operating tool.

<table>
<thead>
<tr>
<th>Pole No.</th>
<th>Item No.</th>
<th>Pin spacing</th>
<th>Conductor Data</th>
<th>Connection technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 mm</td>
<td>12.5 mm</td>
<td>7.5 mm</td>
<td>12.5 mm</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>3</td>
<td>2606-1101/00-0000</td>
<td>2606-1361/00-0000</td>
<td>2606-3101/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>4</td>
<td>2606-1102/00-0000</td>
<td>2606-1362/00-0000</td>
<td>2606-3102/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>5</td>
<td>2606-1103/00-0000</td>
<td>2606-1363/00-0000</td>
<td>2606-3103/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>6</td>
<td>2606-1104/00-0000</td>
<td>2606-1364/00-0000</td>
<td>2606-3104/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>7</td>
<td>2606-1105/00-0000</td>
<td>2606-1365/00-0000</td>
<td>2606-3105/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>8</td>
<td>2606-1106/00-0000</td>
<td>2606-1366/00-0000</td>
<td>2606-3106/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>9</td>
<td>2606-1107/00-0000</td>
<td>2606-1367/00-0000</td>
<td>2606-3107/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>10</td>
<td>2606-1108/00-0000</td>
<td>2606-1368/00-0000</td>
<td>2606-3108/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
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<td>11</td>
<td>2606-1109/00-0000</td>
<td>2606-1369/00-0000</td>
<td>2606-3109/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
<tr>
<td>12</td>
<td>2606-1110/00-0000</td>
<td>2606-1370/00-0000</td>
<td>2606-3110/00-0000</td>
<td>Push-in CAGE CLAMP®</td>
</tr>
</tbody>
</table>

Rated current

41 A

Rated surge voltage

8 kV

Conductor range:

AWG 24 – 8

Conductor range:

Fine-stranded 0.2 … 10 mm²

Conductor range:

Solid 0.2 … 10 mm²

Learn more at:

www.wago.com/2626

Learn more at:

www.wago.com/2606
### PCB TERMINAL BLOCKS

**2636 Series**

- Push-in termination of solid conductors
- Insert fine-stranded conductors and remove all conductor types via operating tool.
- PCB terminal block for panel feed-through connections
- Straight or angled type
- Push-in type with tool operation and Push-in CAGE CLAMP®

#### Ratings per IEC/EN 60664-1

<table>
<thead>
<tr>
<th>Pole No.</th>
<th>Item No.</th>
<th>Pin spacing (10 mm)</th>
<th>Connection technology</th>
<th>Push-in CAGE CLAMP®</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2636-1101/0020-0000</td>
<td>10 mm</td>
<td>1000 V</td>
<td>Push-in termination of solid conductors</td>
</tr>
<tr>
<td>2</td>
<td>2636-1102/0020-0000</td>
<td>15 mm</td>
<td>1000 V</td>
<td>Push-in termination of solid conductors</td>
</tr>
</tbody>
</table>

#### Rated current

- 76 A

#### Footprint (top view)

- L = T x P + 1.6
- T = Pin spacing

---

**2616 Series**

- PCB terminal block with lever and Push-in CAGE CLAMP®
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.
- Straight or angled type

#### Conductor range:

- **Solid**
  - 0.75 … 16 mm²
- **Stranded**
  - 0.75 … 16 mm²
  - 0.75 … 25 mm²

#### Ratings per IEC/EN 60664-1

<table>
<thead>
<tr>
<th>Pole No.</th>
<th>Item No.</th>
<th>Pin spacing (10 mm)</th>
<th>Connection technology</th>
<th>Push-in CAGE CLAMP®</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2616-1101/0020-0000</td>
<td>10 mm</td>
<td>1000 V</td>
<td>Push-in termination of solid conductors</td>
</tr>
<tr>
<td>2</td>
<td>2616-1102/0020-0000</td>
<td>15 mm</td>
<td>1000 V</td>
<td>Push-in termination of solid conductors</td>
</tr>
</tbody>
</table>

#### Rated current

- 76 A

#### Footprint (top view)

- L = T x P + 1.5
- T = Pin spacing

---

Learn more at:

- www.wago.com/2636
- www.wago.com/2616
LEVERAGE CONVENIENCE

For wiring assemblies in the field, highly accessible and simple-to-operate connection points are essential. WAGO is literally leveraging its expertise with the MCS MAXI 6 and MCS MAXI 16 to offer the world’s first pluggable connectors with levers for intuitive, tool-free usage. With this feature, connectors can be wired in-hand easily and quickly. Furthermore, simply lowering the lever always ensures a reliable contact.

Both wire-to-wire and wire-to-board versions of pluggable PCB connectors are available and designed for a nominal cross-section of 6 or 16 mm² (10 or 6 AWG). The top advantage where space is at a premium: Beyond their specific nominal cross-section, the PCB connectors connect fine-stranded conductors up to 10 or 25 mm² (8 or 4 AWG). Connection with Push-in CAGE CLAMP® is suitable for all conductor types and enables solid and fine-stranded conductors with ferrules to be connected by simply pushing them into the unit.

Flexible Coding – Ready to Adapt

The coding of the new MCS MAXI 16 Connectors brings additional benefits: They are coded internally, simplifying individual coding changes – even when the connector is already installed in the enclosure. Complicated adjustments to the enclosure cutout are no longer required. Another unique feature is the ability to quickly and easily recode when plugged in. To keep installation simple and minimize the number of assemblies, both male headers and female connectors feature the same symmetrically formed coding fingers.

MCS MAXI 6 Connectors are also easy to code. Depending on the version, separate coding pins are available or the coding pins can be broken off directly from the female connector and inserted into the corresponding male header.

100% Safety

As with all MCS products, the pluggable connectors also provide 100% protection against mismating to ensure maximum safety for field wiring. The integrated protective contact caps within the interface of the MCS MAXI 16 Male Headers ensure additional user safety when unplugged.

Yet another highlight: An optional interlock enables fast, reliable connection and also prevents accidental disconnection.

Advantages:

- The lever engages and keeps the clamping point open, freeing hands for quick and easy wiring.
- All conductor types can be connected and disconnected without tools.
- Product range: 0.2 ... 25 mm²
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Wider conductor range and higher current carrying capacity
- 100% protected against mismating
- Coding and locking options available

Learn more at: www.wago.com/powerelectronics
MCS MAXI 6

1-Conductor Female Connectors with Levers

- Female connectors with levers and Push-in CAGE CLAMP®
- Variants with and without locking
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

Learn more at: www.wago.com/831

<table>
<thead>
<tr>
<th>Pole No.</th>
<th>Item No.</th>
<th>1-conductor female connector; light gray</th>
<th>1-conductor female connector; with locking lever; light gray</th>
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<tbody>
<tr>
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<td>831-1102/037-000</td>
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</tr>
<tr>
<td>2</td>
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</tbody>
</table>

MCS MAXI 6

1-Conductor Male Connectors with Levers

- Male connectors with levers and Push-in CAGE CLAMP®
- For wire-to-wire applications
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

Learn more at: www.wago.com/831

<table>
<thead>
<tr>
<th>Pole No.</th>
<th>Item No.</th>
<th>1-conductor male connector; light gray</th>
</tr>
</thead>
<tbody>
<tr>
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831-110x Series

- Pin spacing 7.62 mm
- Conductor Data

- Rating per IEC/EN 60664-1
- Nominal voltage (II / 3) 600 V
- Conductor range: solid 0.2 ... 10 mm²
- Nominal voltage (II / 2) 1000 V
- Conductor range: fine-stranded 0.2 ... 10 mm²
- Rated voltage (III / 2) 1000 V
- Conductor range: fine-stranded 0.25 ... 6 mm²
- Rated current 6A
- Strip length 11 ... 13 mm / 0.43 ... 0.51 inch

831-120x Series

- Pin spacing 7.62 mm
- Conductor Data

- Rating per IEC/EN 60664-1
- Nominal voltage (II / 3) 600 V
- Conductor range: solid 0.2 ... 10 mm²
- Nominal voltage (II / 2) 1000 V
- Conductor range: fine-stranded 0.2 ... 10 mm²
- Rated voltage (III / 2) 1000 V
- Conductor range: fine-stranded 0.25 ... 6 mm²
- Rated current 6A
- Strip length 11 ... 13 mm / 0.43 ... 0.51 inch
**MCS MAXI 6**

**THT Male Headers**

- Soldered male headers may be mounted horizontally or vertically via straight or angled solder pins
- Three solder pins per pole provide high electrical and mechanical stability
- 100% protected against mismating
- Coding options available

---

**831-Max Series**

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<th>Pole No.</th>
<th>Item No.</th>
<th>THT male header; with straight solder pins; light gray</th>
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**Pin spacing**
- 7.62 mm

**Ratings per IEC/EN 60664-1**

- **Solder pin length**: 4 mm
- **Solder pin dimensions**: 1 x 1.2 mm
- **Drilled hole diameter with tolerance**: 1.7 mm

**Solder pin length**
- 4 mm

**Nominal voltage (III / 3)**
- 500 V

**Nominal voltage (II / 2)**
- 630 V

**Rated voltage (III / 2)**
- 6 kV

**Rated surge voltage**
- 6 kV

**Rated current**
- 41 A

---

**Learn more at:**
www.wago.com/831
MCS MAXI 16
1-Conductor Female Connectors with Levers

- Female connectors with levers and Push-in CAGE CLAMP®
- Variants with and without locking
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

Learn more at: www.wago.com/832

MCS MAXI 16
1-Conductor Male Connectors with Levers

- Male connectors with levers and Push-in CAGE CLAMP®
- For wire-to wire applications
- Push-in CAGE CLAMP® termination of both solid and ferruled conductors
- Test slot 0° and 90° to conductor entry
- Connection is secured when easy-to-use lever is quickly and simply lowered into closed position.

Learn more at: www.wago.com/832
MCS MAXI 16

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- Coding options available

Easy coding thanks to symmetrical coding keys in both male and female connectors

Footprint (top view)

Cutouts for male headers with solder pins

Cutouts for male headers with solder pins (with locking levers)

Learn more at: www.wago.com/832
SYSTEM HIGHLIGHTS

Lever Actuation
Easy in-hand wiring via lever actuation

Quick and simple in-hand wiring

Locking Levers
Easy and secure plugging with automatic locking; optional locking levers prevent accidental disconnection.

Coding
Easy coding thanks to symmetrical coding keys in both male and female connectors

Easy and intuitive disconnection via innovative locking levers

Recoding even when plugged in