
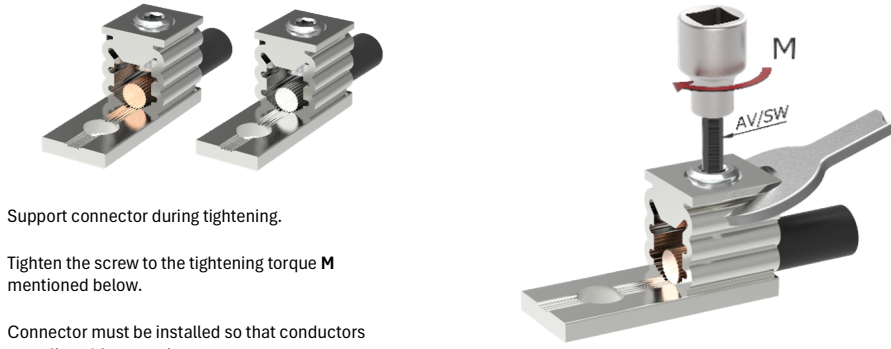

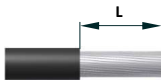



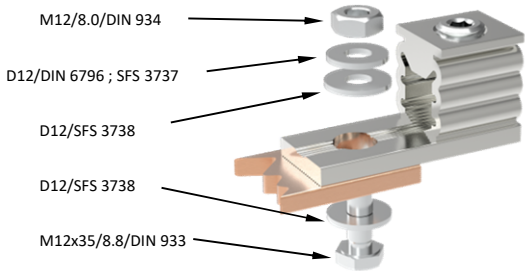



| Product data |  |                   |                   |                |                     |                     |                  |
|--------------|--|-------------------|-------------------|----------------|---------------------|---------------------|------------------|
| Product code | Product name                                 | I <sub>n</sub> Al | I <sub>n</sub> Cu | U <sub>n</sub> | US specific         |                     |                  |
|              |  |                   |                   |                | I <sub>max</sub> Al | I <sub>max</sub> Cu | U <sub>max</sub> |
| VC02-0003    | OT Universal connector 16-120mm <sup>2</sup> | 230 A             | 280 A             | 690 V          | -                   | -                   | -                |
|              |  |                   |                   |                |                     |                     |                  |
|              |  |                   |                   |                |                     |                     |                  |

| General   | Conductor installation   |
|---|--|
| <p>OT-Connectors are suitable for Aluminium- and Copper conductors.</p> <ul style="list-style-type: none"> <li>- Segmental conductors have to be rounded before mounting. Pre-shape the sector conductor with transfer jaw pliers before removing the insulation or with rounding jaws after removing the insulation.</li> <li>- For stripping cable, see stripping length L (table below)</li> <li>- Remove any layer of oxide by brushing.</li> </ul>  |  <p>Support connector during tightening.</p> <p>Tighten the screw to the tightening torque <b>M</b> mentioned below.</p> <p>Connector must be installed so that conductors are relieved from strain.</p> |

| Connection   |   |  |  |
|--|---|--|--|
|   | <b>Screw</b><br>M14<br>SW 6   | <b>Tightening torque M</b><br>16-35 mm <sup>2</sup> 12 Nm<br>50-120 mm <sup>2</sup> 25 Nm  | <b>Stripping length L</b> 26±1 mm<br>   |
|  | <b>Conductor range</b><br>1xAl/Cu 16-120 mm <sup>2</sup>  | <b>Supported IEC 60228 -conductors</b><br>Class 5 & 6 (fine stranded) Using ferrule is recommended<br>Class 1 & 2 (solid and stranded) | <b>Sector shaped cable</b><br><br>Pre-round the cable   |
| <b>Copper conductors</b><br>Max. 3 X CU / Conductor contact space<br><br>≤ 120 mm <sup>2</sup> total | <b>Aluminium conductors</b><br>1 X AL / Conductor contact space<br><br>Anti-corrosion paste: e.g. Penetrox | <b>Mounting to busbar</b><br>                      | <b>Attention!</b><br><br>When connecting to an aluminium rail, the surface of the rail must be brushed with a wire brush and immediately treated with connecting grease. In damp areas, the use of protective grease is recommended (eg. Penetrox). On the rail side, in addition to the pressure relief plate, a conical press plate (e.g. DIN 6796) must be used. |

| Cross section and max. number of Cu- conductors / contact space (Al- conductors in parenthesis) |                     |                   |                    |                    |                    |                     |                     |  |                     |                     |                     |
|---|---------------------|-------------------|--------------------|--------------------|--------------------|---------------------|---------------------|--|---------------------|---------------------|---------------------|
| 1,5 mm <sup>2</sup>   | 2,5 mm <sup>2</sup> | 6 mm <sup>2</sup> | 10 mm <sup>2</sup> | 16 mm <sup>2</sup> | 25 mm <sup>2</sup> | 35 mm <sup>2</sup>  | 50 mm <sup>2</sup>  | The specified max. amount of conductors refers only to industrially installed terminals. |                     |                     |                     |
| -   | -                   | -                 | -                  | 3(1)               | 3(1)               | 3(1)                | 2(1)                |  |                     |                     |                     |
|   |                     |                   |                    | 70 mm <sup>2</sup> | 95 mm <sup>2</sup> | 120 mm <sup>2</sup> | 150 mm <sup>2</sup> | 185 mm <sup>2</sup>  | 240 mm <sup>2</sup> | 300 mm <sup>2</sup> | 400 mm <sup>2</sup> |
|   |                     |                   |                    | 1(1)               | 1(1)               | 1(1)                | -                   | -  | -                   | -                   | -                   |