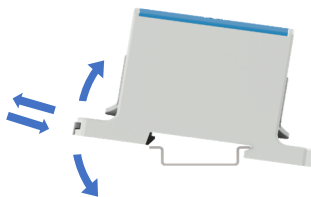
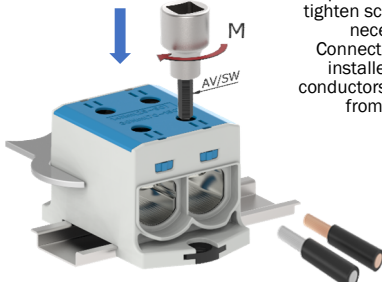


| Product data |                                                            |          |          |                       |              |              |           |
|--------------|------------------------------------------------------------|----------|----------|-----------------------|--------------|--------------|-----------|
| Product code | Product name                                               | $I_n$ Al | $I_n$ Cu | $U_n$                 | US specific  |              |           |
|              |                                                            |          |          |                       | $I_{max}$ Al | $I_{max}$ Cu | $U_{max}$ |
| VC05-0031    | OTL-connector 2xAl/Cu 25-150mm <sup>2</sup> (Grey)         | 290 A    | 640 A    | 1000 V AC / 1500 V DC | 250 A        | 2x285 A      | 1000 V    |
| VC05-0032    | OTL-connector 2xAl/Cu 25-150mm <sup>2</sup> (Blue)         | 290 A    | 640 A    | 1000 V AC / 1500 V DC | 250 A        | 2x285 A      | 1000 V    |
| VC05-0033    | OTL-connector 2xAl/Cu 25-150mm <sup>2</sup> (Yellow/Green) | 290 A    | 640 A    | 1000 V AC / 1500 V DC | 250 A        | 2x285 A      | 1000 V    |
| VC05-0481    | OTL-connector 2xAl/Cu 25-150mm <sup>2</sup> (Red)          | 290 A    | 640 A    | 1000 V AC / 1500 V DC | 250 A        | 2x285 A      | 1000 V    |
| VC05-0482    | OTL-connector 2xAl/Cu 25-150mm <sup>2</sup> (Black)        | 290 A    | 640 A    | 1000 V AC / 1500 V DC | 250 A        | 2x285 A      | 1000 V    |

| Installation                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certification and approval                                                                                                                                           | DIN-rail and screw (M5) mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <br> | <p><b>DIN-rail mounting</b><br/>Set the connector on DIN-rail.<br/>Push until connector locks down.</p>  <p><b>Removing from DIN-rail</b><br/>Release the plastic snap with a screwdriver. Lift the connector.</p>   <p>Use max. Ø5 mm screw.</p> |

| Connection                                                                                                      |                                                                                                                                                                                                                   |                                                                                                                                                                                                                               |                                                                                                                                                                                                                        |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Screw</div> <div></div> | <div>Screw</div>                                                                                                                                                                                                  | <div>M16</div>                                                                                                                                                                                                                | <div>Tightening torque <b>M</b></div> <div>25-50 mm<sup>2</sup> (1/0-2 AWG)</div> <div>14 Nm</div> <div>70-150 mm<sup>2</sup> (350 kcmil-2/0 AWG)</div> <div>30 Nm</div>                                               | <div>Stripping length <b>L</b></div> <div>20 mm</div> <div></div>         |
|                                                                                                                 | <div>SW</div>                                                                                                                                                                                                     | <div>6</div>                                                                                                                                                                                                                  |                                                                                                                                                                                                                        |                                                                                                                                                                |
|                                                                                                                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                               | <div>Conductor range</div>                                                                                                                                                                                             | <div>2xAl/Cu 25-150 mm<sup>2</sup></div>                                                                                                                       |
|                                                                                                                 | <div>Copper conductors</div> <div>Max. 3 X CU / Conductor contact space</div> <div></div> <div>≤ 150 mm<sup>2</sup> total</div> | <div>Aluminium conductors</div> <div>1 X AL / Conductor contact space</div> <div></div> <div>Anti-corrosion paste:<br/>e.g. Penetrox</div> | <div></div> <div>Class 5 &amp; 6 (fine stranded) Using ferrule is recommended</div> <div>Class 1 &amp; 2 (solid and stranded)</div> | <div>Sector shaped cable</div> <div></div> <div>Pre-round the cable</div> |

| Conductor installation                                                                                                                                                                                                                                                                        | Marking                                                                                                                | Attention!                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Support connector during tightening the screws. Ensure the torque after tightening, tighten screws twice if necessary.<br/>Connector must be installed so that conductors are relieved from strain.</p> |  <p>5 mm width (Eg. Partex TX)</p> |  <p>Each protective or neutral conductor must have their own conductor space.<br/>SFS 6000:2007 clause 810.7</p> |

| 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)               |                                                                                          |                     |
|                                                                                                 |                     |                   |                    | 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> |
|                                                                                                 |                     |                   |                    | 2 (1)              | 1 (1)              | 1 (1)               | 1 (1)               | -                                                                                        | 300 mm <sup>2</sup> |
|                                                                                                 |                     |                   |                    |                    |                    |                     |                     |                                                                                          | 400 mm <sup>2</sup> |