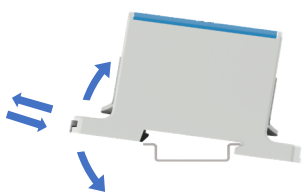
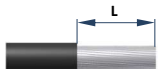
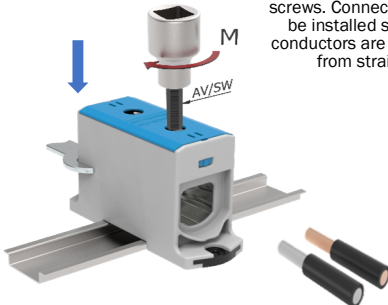


| Product data |                                                            |          |          |                       |              |              |           |
|--------------|------------------------------------------------------------|----------|----------|-----------------------|--------------|--------------|-----------|
| Product code | Product name                                               | $I_n$ Al | $I_n$ Cu | $U_n$                 | US specific  |              |           |
|              |                                                            |          |          |                       | $I_{max}$ Al | $I_{max}$ Cu | $U_{max}$ |
| VC05-0034    | OTL-connector 1xAl/Cu 35-240mm <sup>2</sup> (Grey)         | 380 A    | 425 A    | 1000 V AC / 1500 V DC | 310 A        | 380 A        | 1000 V    |
| VC05-0035    | OTL-connector 1xAl/Cu 35-240mm <sup>2</sup> (Blue)         | 380 A    | 425 A    | 1000 V AC / 1500 V DC | 310 A        | 380 A        | 1000 V    |
| VC05-0036    | OTL-connector 1xAl/Cu 35-240mm <sup>2</sup> (Yellow/Green) | 380 A    | 425 A    | 1000 V AC / 1500 V DC | 310 A        | 380 A        | 1000 V    |
| VC05-0477    | OTL-connector 1xAl/Cu 35-240mm <sup>2</sup> (Red)          | 380 A    | 425 A    | 1000 V AC / 1500 V DC | 310 A        | 380 A        | 1000 V    |
| VC05-0478    | OTL-connector 1xAl/Cu 35-240mm <sup>2</sup> (Black)        | 380 A    | 425 A    | 1000 V AC / 1500 V DC | 310 A        | 380 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>M20</div> | <div>Tightening torque <b>M</b></div>                                                                                                                                                                                                                             |  | <div>35-120 mm<sup>2</sup> (250 kcmil-2 AWG)</div> | <div>26 Nm</div>                                                                                                                                                                                                                           | <div>Stripping length <b>L</b></div> <div></div> |
|                                                                                                                                                                                                                                                                     | <div>SW</div>                                                                                                                                                                                                                 | <div>8</div>   |                                                                                                                                                                                                                                                                   |  | <div>150-240 mm<sup>2</sup> (500-300 kcmil)</div>  | <div>46 Nm</div>                                                                                                                                                                                                                           |                                                                                                                                       |
|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                               |                | <div>Conductor range</div>                                                                                                                                                                                                                                        |  | <div>1xAl/Cu 35-240 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>Supported IEC 60228 -conductors</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>                                                                             |                                                                                                                                       |
| <div>Conductor installation</div> <div></div> <div>Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain.</div> |                                                                                                                                                                                                                               |                | <div>Marking</div> <div></div> <div>5 mm width (Eg. Partex TX)</div>                                                                                                          |  |                                                    | <div>Attention!</div> <div></div> <div>Each protective or neutral conductor must have their own conductor space.<br/>SFS 6000:2007 clause 810.7</div> |                                                                                                                                       |

| 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)               |                                                                                          |                     |
|                                                                                                 |                     |                   | 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> |
|                                                                                                 |                     |                   | 3 (1)              | 2 (1)              | 2 (1)               | 1 (1)               | 1 (1)               | 1 (1)                                                                                    | -                   |