

| Product data |  |                   |                   |                       |                     |                     |                  |
|--------------|--|-------------------|-------------------|-----------------------|---------------------|---------------------|------------------|
| Product code | Product name   | I <sub>n Al</sub> | I <sub>n Cu</sub> | U <sub>n</sub>        | US specific         |                     |                  |
|              |  |                   |                   |                       | I <sub>max Al</sub> | I <sub>max Cu</sub> | U <sub>max</sub> |
| VC05-0362    | OTL PEN-connector 2xAl/Cu 35-240mm <sup>2</sup> (Ye/Gr/Blue) | 380 A             | 850 A             | 1000 V AC / 1500 V DC | -                   | -                   | -                |
|              |  |                   |                   |                       |                     |                     |                  |
|              |  |                   |                   |                       |                     |                     |                  |

| Installation               |  |
|----------------------------|--|
| Certification and approval | DIN-rail and screw (M5) mounting   |
| <p>CE RoHS</p>             | <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   |   |   |  |
|--|---|---|--|
| Screw<br>  | <b>Screw</b> <b>M20</b><br>SW        8  | <b>Tightening torque M</b><br>35-120 mm <sup>2</sup> <b>26 Nm</b><br>150-240 mm <sup>2</sup> <b>40 Nm</b>   | <b>Stripping length L</b> <b>30 mm</b><br>   |
|  | <b>Conductor range</b> <b>2xAl/Cu 35-240 mm<sup>2</sup></b>   |   | <b>Sector shaped cable</b><br><p>Pre-round the cable</p>   |
| <b>Copper conductors</b><br>Max. 3 X CU / Conductor contact space<br><p>≤ 240 mm<sup>2</sup> total</p> | <b>Aluminium conductors</b><br>1 X AL / Conductor contact space<br><p>Anti-corrosion paste:<br/>e.g. Penetrox</p> | <b>Supported IEC 60228 -conductors</b><br><p>Class 5 &amp; 6 (fine stranded) Using ferrule is recommended<br/>           Class 1 &amp; 2 (solid and stranded)</p> | <b>Attention!</b><br><p>Each protective or neutral conductor must have their own conductor space.<br/>SFS 6000:2007 clause 810.7</p> |

| 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. |                     |                     |
| -   | -                   | -                 | -                  | -                  | -                   | <b>3 (1)</b>        | <b>3 (1)</b>        |  |                     |                     |
|   |                     |                   | 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> |
|   |                     |                   | <b>3 (1)</b>       | <b>2 (1)</b>       | <b>2 (1)</b>        | <b>1 (1)</b>        | <b>1 (1)</b>        | <b>1 (1)</b>   | -                   | -                   |

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