

| Product data | | | | | | | |
|--------------|--|------------|------------|-----------------------|--------------|--------------|-----------|
| Product code | Product name | $I_{n Al}$ | $I_{n Cu}$ | U_n | US specific | | |
| | | | | | $I_{max Al}$ | $I_{max Cu}$ | U_{max} |
| VC05-0235 | OTL-connector 3xAl/Cu 25-150mm ² (Grey) | 500 A | 640 A | 1000 V AC / 1500 V DC | 250 A | 2x285 A | 1000 V |
| VC05-0240 | OTL-connector 3xAl/Cu 25-150mm ² (Blue) | 500 A | 640 A | 1000 V AC / 1500 V DC | 250 A | 2x285 A | 1000 V |
| VC05-0241 | OTL-connector 3xAl/Cu 25-150mm ² (Yellow/Green) | 500 A | 640 A | 1000 V AC / 1500 V DC | 250 A | 2x285 A | 1000 V |
| VC05-0489 | OTL-connector 3xAl/Cu 25-150mm ² (Red) | 500 A | 640 A | 1000 V AC / 1500 V DC | 250 A | 2x285 A | 1000 V |
| VC05-0490 | OTL-connector 3xAl/Cu 25-150mm ² (Black) | 500 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 |
| | <p>DIN-rail mounting Set the connector on DIN-rail. Push until connector locks down.</p> <p>Removing from DIN-rail Release the plastic snap with a screwdriver. Lift the connector.</p> <p>Marking 5 mm width (Eg. Partex TX)</p> <p>Use max. Ø5 mm screw.</p> |

| Connection | | | |
|--|---|---|--|
| | Screw M16 SW 6 | Tightening torque M 25-50 mm ² (1/0-2 AWG) 14 Nm 70-150 mm ² (350 kcmil-2/0 AWG) 35 Nm | Stripping length L 20 mm |
| | Conductor range 3xCu 25-150 mm² / 3xAl 25-120 mm² | | Supported IEC 60228 -conductors Class 5 & 6 (fine stranded) Using ferrule is recommended Class 1 & 2 (solid and stranded) |
| Copper conductors Max. 3 X CU / Conductor contact space ≤ 150 mm ² total | Aluminium conductors 1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox | | |

| Conductor installation | Input | Attention! |
|--|---|---|
| Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain. | Use outermost input holes with two cable input. | <p>Each protective or neutral conductor must have their own conductor space. SFS 6000:2007 clause 810.7</p> |

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