

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>
VC05-0386	OTL-connector 3xAl/Cu 95-300mm <sup>2</sup> FBB (Grey)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-
VC05-0394	OTL-connector 3xAl/Cu 95-300mm <sup>2</sup> FBB (Blue)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-
VC05-0395	OTL-connector 3xAl/Cu 95-300mm <sup>2</sup> FBB (Yellow/Green)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-

**Installation**

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

**Connection**

Screw	Screw <sub>1</sub>	M22	Tightening torque M	95-150 mm <sup>2</sup>	35 Nm	Stripping length L	Conductor	40 mm
	SW <sub>1</sub>	8	185-300 mm <sup>2</sup> 45 Nm Busbar 3x1x32-6x1x40      15 Nm	Busbar 3x1x32-6x1x40	-		Conductor	40 mm
	Screw <sub>2</sub>	M14					Busbar	50 mm
	SW <sub>2</sub>	6						
<b>Copper conductors</b>		<b>Aluminium conductors</b>		<b>Supported IEC 60228 -conductors</b>		<b>Sector shaped cable</b>		
Max. 3 X CU / Conductor contact space ≤ 300 mm <sup>2</sup> total		1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox		Class 5 & 6 (fine stranded) Using ferrule is recommended Class 1 & 2 (solid and stranded)		Pre-round the cable		

**Conductor and busbar installation**

<p>Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain.</p> <p>Ensure the torque after tightening, tighten screws twice if necessary.</p>	<p>Remove inner collars when &gt;32 mm wide busbar is used.</p> <p>Tighten busbar connecting screws (SW2) to moment 15Nm. Repeat tightening three (3) times.</p>	
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**Input      Marking      Attention!**

<p>Max. 300 mm<sup>2</sup> Al / Cu      Max. Busbar (6x1x40)</p> <p>Use outermost input holes with two cable input. Max. 2x185 Al / 2x150 Cu</p>	<p>5 mm width (Eg. Partex TX)</p>	<p>Each protective or neutral conductor must have their own conductor space. SFS 6000:2007 clause 810.7</p>
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**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.							
-	-	-	-	-	-	-	-	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>
								-	3 (1)	2 (1)	2 (1)	1 (1)	1 (1)	1 (1)	-