

Product data							
Product code	Product name	$I_{n\text{ Al}}$	$I_{n\text{ Cu}}$	U_n	US specific		
					$I_{\text{max Al}}$	$I_{\text{max Cu}}$	U_{max}
VC05-0381	OTL-connector 3xAl/Cu 95-300mm ² (Grey)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-
VC05-0392	OTL-connector 3xAl/Cu 95-300mm ² (Blue)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-
VC05-0393	OTL-connector 3xAl/Cu 95-300mm ² (Yellow/Green)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-
VC05-0491	OTL-connector 3xAl/Cu 95-300mm ² (Red)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-
VC05-0492	OTL-connector 3xAl/Cu 95-300mm ² (Black)	630 A	630 A	1000 V AC / 1500 V DC	-	-	-

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 	Screw M22 SW 8	Tightening torque M 95-150 mm ² 35 Nm 185-300 mm ² 45 Nm	Stripping length L 40 mm
	Conductor range 3xAl/Cu 95-300mm ²		

Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors	Sector shaped cable
Max. 3 X CU / Conductor contact space ≤ 300 mm ² 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 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. Max. 2x185 Al / 2x150 Cu	 Each protective or neutral conductor must have their own conductor space. SFS 6000:2007 clause 810.7

Cross section and max. number of Cu- conductors / contact 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.							
-	-	-	-	-	-	-	-	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
								-	3 (1)	2 (1)	2 (1)	1 (1)	1 (1)	1 (1)	-