

Product data							
Product code	Product name	$I_{n Al}$	$I_{n Cu}$	U_n	US specific		
					$I_{max Al}$	$I_{max Cu}$	U_{max}
VC05-0042	OTL-connector 2xAl/Cu 6-95mm ² (Grey)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
VC05-0043	OTL-connector 2xAl/Cu 6-95mm ² (Blue)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
VC05-0044	OTL-connector 2xAl/Cu 6-95mm ² (Yellow/Green)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
VC05-0148	OTL-connector 2xAl/Cu 6-95mm ² (Red)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
VC05-0149	OTL-connector 2xAl/Cu 6-95mm ² (Black)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 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>Use max. Ø5 mm screw.</p>

Connection			
Screw 	Screw M14 SW 6	Tightening torque M 6-25 mm ² (3-10 AWG) 12 Nm 35-95 mm ² (4/0-2 AWG) 22 Nm	Stripping length L 20 mm
	Conductor range 2xAl/Cu 6-95 mm²		
Copper conductors Max. 3 X CU / Conductor contact space ≤ 95 mm ² total	Aluminium conductors 1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox	Supported IEC 60228 -conductors Class 5 & 6 (fine stranded) Using ferrule is recommended Class 1 & 2 (solid and stranded)	
		Sector shaped cable Pre-round the cable	

Conductor installation	Marking	Attention!
<p>Support connector during tightening the screws. 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. SFS 6000:2007 clause 810.7</p>

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.		
-	-	3 (1)	3 (1)	3 (1)	3 (1)	2 (1)	1 (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
			1 (1)	1 (1)	-	-	-	-	-	-

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