

Product data								
Product code	Product name	I _{n Al}	I _{n Cu}	U _n	US specific			
					I _{max Al}	I _{max Cu}	U _{max}	
VC05-0013	OTL-connector 1xAl/Cu 1,5-50mm ² (Grey)	145 A	160 A	1000 V	120 A	150 A	600 V	
VC05-0046	OTL-connector 1xAl/Cu 1,5-50mm ² (Blue)	145 A	160 A	1000 V	120 A	150 A	600 V	
VC05-0047	OTL-connector 1xAl/Cu 1,5-50mm ² (Yellow/Green)	145 A	160 A	1000 V	120 A	150 A	600 V	
VC05-0142	OTL-connector 1xAl/Cu 1,5-50mm ² (Red)	145 A	160 A	1000 V	-	-	-	
VC05-0143	OTL-connector 1xAl/Cu 1,5-50mm ² (Black)	145 A	160 A	1000 V	-	-	-	

Installation	
Certification and approval	DIN-rail 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>

Connection			
Screw 	Thread	M10	Tightening torque M1,5-2,5 mm ² (14-16 AWG) 1,5 Nm 4-10 mm ² (8-12 AWG) 5 Nm 16-50 mm ² (1/0-6 AWG) 10 Nm - -
		SW	
			Stripping length L 15 mm
		Conductor range	1xAl/Cu 1,5-50 mm²

Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors	Sector shaped cable
Max. 3 X CU / Conductor space ≤ 50 mm ² total	1 X AL / Conductor 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	Marking	Attention!
<p>Support connector during tightening the screws</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 / 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)	3 (1)	2 (1)	1 (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