

Product data								
Product code	Product name	I_n Al	I_n Cu	U_n	US specific			
					I_{max} Al	I_{max} Cu	U_{max}	
VC05-0547	OTL-connector 5x1xAl/Cu 1,5-16mm ² (Grey)	75 A	82 A	1000 V AC / 1500 V DC	-	-	-	
VC05-0577	OTL-connector 5x1xAl/Cu 1,5-16mm ² (Grey) R	75 A	82 A	1000 V AC / 1500 V DC	-	-	-	

Installation	
<p>Certification and approval</p> <p>CE RoHS FI</p>	<p>DIN-rail mounting</p> <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>Screw mounting Use max. Ø4 mm screw (VC05-0577)</p>

Connection			
Screw size	Screw	M8	Tightening torque M
	SW	4	
			1,5 mm ² (16 AWG) 1,5 Nm
			2,5-6 mm ² (10-14 AWG) 3,5 Nm
			10-16 mm ² (4-8 AWG) 7 Nm
Conductor range		5x1xAl/Cu 1,5-16 mm²	
Max. wire cross section		16 mm²	
			Stripping length L 13 mm

Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors		Sector shaped cable
Max. 3 X CU / Conductor contact space ≤ 16 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	Marking	Attention
<p>Remove any oxide layer by brushing with a brass or a steel brush.</p> <p>Use protective grease (e.g. Penetrox) and brush grease on the contact surfaces of the conductor.</p> <p>5-pole connector (L1,L2,L3,N+PE)</p> <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>The installation must always be done in accordance with the international standard in compliance with national legislation.</p> <p>Each protective or neutral conductor must have their own conductor space. SFS 6000-7-729</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)	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
			-	-	-	-	-	-	-	-