

Product data							
Product code	Product name	$I_{n Al}$	$I_{n Cu}$	$U_n$	US specific		
					$I_{max Al}$	$I_{max Cu}$	$U_{max}$
VC05-0054	OTL-connector 3x1xAl/Cu 1,5-50mm <sup>2</sup> Grey	145 A	160 A	1000 V AC / 1500 V DC	120 A	150 A	1000 V

Certification and approval	DIN-rail mounting
	<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>

Connection							
	Screw	M10	Tightening torque M	1,5-2,5 mm <sup>2</sup> (14-16 AWG)	1,5 Nm	Stripping length L	15 mm
	SW	5		4-10 mm <sup>2</sup> (8-12 AWG)	5 Nm		
				16-50 mm <sup>2</sup> (1/0-6 AWG)	10 Nm		
			Conductor range	3x1xAl/Cu 1,5-50mm <sup>2</sup>			
<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 ≤ 50 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 installation	Marking
<p>3-pole connector (L1,L2,L3)</p> <p>Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain.</p> <p>Installation for one stranded (Class 1) 16mm<sup>2</sup> Al-conductor tightening torque is 5 Nm.</p>	<p>5 mm width (Eg. Partex TX)</p>

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.		
3 (1)	3 (1)	3 (1)	3 (1)	3 (1)	2 (1)	1 (1)	1 (1)			
			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>
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