

Product data							
Product code	Product name	I <sub>n Al</sub>	I <sub>n Cu</sub>	U <sub>n</sub>	US specific		
					I <sub>max Al</sub>	I <sub>max Cu</sub>	U <sub>max</sub>
VC05-0013	OTL-connector 1xAl/Cu 1,5-50mm <sup>2</sup> (Grey)	145 A	160 A	1000 V AC / 1500 V DC	120 A	150 A	1000 V
VC05-0046	OTL-connector 1xAl/Cu 1,5-50mm <sup>2</sup> (Blue)	145 A	160 A	1000 V AC / 1500 V DC	120 A	150 A	1000 V
VC05-0047	OTL-connector 1xAl/Cu 1,5-50mm <sup>2</sup> (Yellow/Green)	145 A	160 A	1000 V AC / 1500 V DC	120 A	150 A	1000 V
VC05-0142	OTL-connector 1xAl/Cu 1,5-50mm <sup>2</sup> (Red)	145 A	160 A	1000 V AC / 1500 V DC	120 A	150 A	1000 V
VC05-0143	OTL-connector 1xAl/Cu 1,5-50mm <sup>2</sup> (Black)	145 A	160 A	1000 V AC / 1500 V DC	120 A	150 A	1000 V

Installation	
<b>Certification and approval</b>  	<b>DIN-rail mounting</b>  <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 <b>M10</b> <b>SW 5</b>	Tightening torque <b>M</b> 1,5-2,5 mm <sup>2</sup> (14-16 AWG) <b>1,5 Nm</b> 4-10 mm <sup>2</sup> (8-12 AWG) <b>5 Nm</b> 16-50 mm <sup>2</sup> (1/0-6 AWG) <b>10 Nm</b>	Stripping length <b>L</b> <b>15 mm</b> 	
		Conductor range <b>1xAl/Cu 1,5-50 mm<sup>2</sup></b>	
<b>Copper conductors</b> Max. 3 X CU / Conductor contact space  ≤ 50 mm <sup>2</sup> total	<b>Aluminium conductors</b> 1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox	<b>Supported IEC 60228 -conductors</b> Class 5 & 6 (fine stranded) Using ferrule is recommended Class 1 & 2 (solid and stranded)	
		<b>Sector shaped cable</b>  Pre-round the cable	

Conductor installation	Marking	Attention!
Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain.  Installation for one stranded (Class 1) 16mm <sup>2</sup> Al-conductor tightening torque is 5 Nm.	 5 mm width (Eg. Partex TX)	 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 / 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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