

Product data							
Product code	Product name	I _{n Al}	I _{n Cu}	U _n	US specific		
					I _{max Al}	I _{max Cu}	U _{max}
VC05-0016	OTL-connector 2xAl/Cu 1,5-50mm ² (Grey)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0048	OTL-connector 2xAl/Cu 1,5-50mm ² (Blue)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0049	OTL-connector 2xAl/Cu 1,5-50mm ² (Yellow/Green)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0146	OTL-connector 2xAl/Cu 1,5-50mm ² (Red)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0147	OTL-connector 2xAl/Cu 1,5-50mm ² (Black)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 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 M10 SW 5	Tightening torque M 1,5-2,5 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	Stripping length L 15 mm
	Conductor range 2xAl/Cu 1,5-50 mm²		Supported IEC 60228 -conductors Class 5 & 6 (fine stranded) Using ferrule is recommended Class 1 & 2 (solid and stranded)
Copper conductors Max. 3 X CU / Conductor contact space <p>≤ 50 mm² total</p>	Aluminium conductors 1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox		

Conductor installation	Marking	Attention!
Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain. <p>Installation for one stranded (Class 1) 16mm² Al-conductor tightening torque is 5 Nm.</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
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