

Product data							
Product code	Product name	$I_{n Al}$	$I_{n Cu}$	U_n	US specific		
					$I_{max Al}$	$I_{max Cu}$	U_{max}
VC05-0233	OTL-connector 3xAl/Cu 1,5-50mm ² (Grey)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0236	OTL-connector 3xAl/Cu 1,5-50mm ² (Blue)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0237	OTL-connector 3xAl/Cu 1,5-50mm ² (Yellow/Green)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0485	OTL-connector 3xAl/Cu 1,5-50mm ² (Red)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0486	OTL-connector 3xAl/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 and screw (M5) 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> <p>Marking 5 mm width (Eg. Partex TX)</p> <p>Use max. Ø5 mm screw.</p>

Connection			
	Screw M10 SW 5	Tightening torque M	Stripping length L 15 mm
		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	
Conductor range 3xAl/Cu 1,5-50 mm ²		Supported IEC 60228 -conductors	
Copper conductors Max. 3 X CU / Conductor contact space ≤ 50 mm ² total	Aluminium conductors 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)	Sector shaped cable Pre-round the cable

Conductor installation	Input	Attention!
<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) 16mm² Al-conductor tightening torque is 5 Nm.</p>	<p>Use outermost input holes with two cable input.</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 / 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)	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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