

Product data							
Product code	Product name	I _{n Al}	I _{n Cu}	U _n	US specific		
					I _{max Al}	I _{max Cu}	U _{max}
VC05-0028	OTL-connector 1xAl/Cu 25-150mm ² (Grey)	290 A	320 A	1000 V AC / 1500 V DC	240 A	285 A	1000 V
VC05-0029	OTL-connector 1xAl/Cu 25-150mm ² (Blue)	290 A	320 A	1000 V AC / 1500 V DC	240 A	285 A	1000 V
VC05-0030	OTL-connector 1xAl/Cu 25-150mm ² (Yellow/Green)	290 A	320 A	1000 V AC / 1500 V DC	240 A	285 A	1000 V
VC05-0475	OTL-connector 1xAl/Cu 25-150mm ² (Red)	290 A	320 A	1000 V AC / 1500 V DC	240 A	285 A	1000 V
VC05-0476	OTL-connector 1xAl/Cu 25-150mm ² (Black)	290 A	320 A	1000 V AC / 1500 V DC	240 A	285 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>Use max. Ø5 mm screw.</p>

Connection			
Screw 	Screw M16 SW 6	Tightening torque M 25-50 mm ² (1/0-2 AWG) 14 Nm 70-150 mm ² (350 kcmil-2/0 AWG) 35 Nm	Stripping length L 20 mm
	Conductor range 1xAl/Cu 25-150 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 ≤ 150 mm ² total	Aluminium conductors 1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox		Sector shaped cable Pre-round the cable

Conductor installation	Marking	Attention!
<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>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)	240 mm ²	300 mm ²	400 mm ²
			70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	-	-	-
			2 (1)	1 (1)	1 (1)	1 (1)	-	-	-	-

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