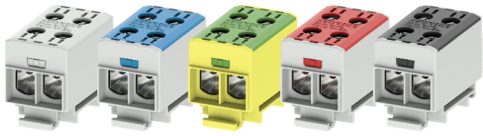
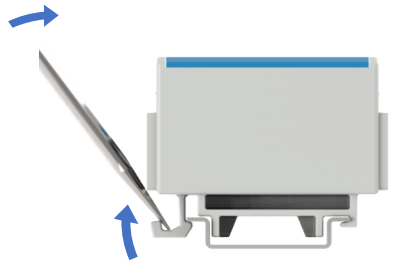
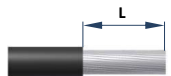
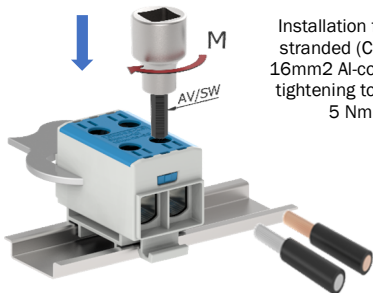


Product data							
Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	US specific		
					$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VC05-0016	OTL-connector 2xAl/Cu 1,5-50mm ² (Grey)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
VC05-0048	OTL-connector 2xAl/Cu 1,5-50mm ² (Blue)	290 A	320 A	1000 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
 	 DIN-rail mounting Set the connector on DIN-rail. Push until connector locks down.  Removing from DIN-rail Release the plastic snap with a screwdriver. Lift the connector.

Connection							
Screw SW 	Screw	M10	Tightening torque M		1,5-2,5 mm² (14-16 AWG)	1,5 Nm	Stripping length L 15 mm 
	SW	5			4-10 mm² (8-12 AWG)	5 Nm	
					16-50 mm² (1/0-6 AWG)	10 Nm	
			Conductor range		2xAl/Cu 1,5-50 mm²		
Copper conductors		Aluminium conductors		Supported IEC 60228 -conductors		Sector shaped cable	
Max. 3 X CU / Conductor contact space  ≤ 50 mm² 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		Attention!	
Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain.  Installation for one stranded (Class 1) 16mm² 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 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
			-	-	-	-	-	-	-

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