

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	120 A	150 A	600 V
VC05-0048	OTL-connector 2xAl/Cu 1,5-50mm ² (Blue)	290 A	320 A	1000 V	120 A	150 A	600 V
VC05-0049	OTL-connector 2xAl/Cu 1,5-50mm ² (Yellow/Green)	290 A	320 A	1000 V	120 A	150 A	600 V
VC05-0146	OTL-connector 2xAl/Cu 1,5-50mm ² (Red)	290 A	320 A	1000 V	-	-	-
VC05-0147	OTL-connector 2xAl/Cu 1,5-50mm ² (Black)	290 A	320 A	1000 V	-	-	-

Installation

Type	DIN-rail mounting
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DIN-rail mounting
Set the connector on DIN-rail.
Push until connector locks down.

Removing from DIN-rail
Release the plastic snap with screwdriver. Lift the connector.

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Connection

Screw	Thread	M10	Tightening torque	1,5-2,5 mm ² (14-16 AWG)	1,5 Nm	Stripping length L	15 mm
	SW	5		4-10 mm ² (8-12 AWG)	5 Nm		
				16-50 mm ² (1/0-6 AWG)	10 Nm		
				-	-		
			Max. Wire cross section	50 mm²			

1,5-10 Nm

Installation

Connector can be used for both **copper- or aluminium conductors**. It's recommended to use anti-corrosion paste for aluminium conductors. (e.g. Penetrox).

It is allowed to use max. three adjacent cross sectioned conductors per space (Copper conductors). The nominal max. cross section value must not be exceeded.

It is allowed to install only one aluminium conductor per space.

Using ferrule is recommended for fine stranded conductors.

Sector shaped conductors must be pre-rounded before installation.

Support connector during tightening the screws.

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	400 mm ²
			-	-	-	-	-	-	-	-