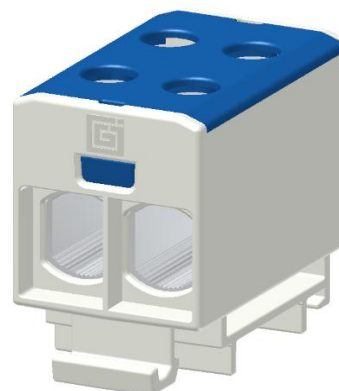


Product data

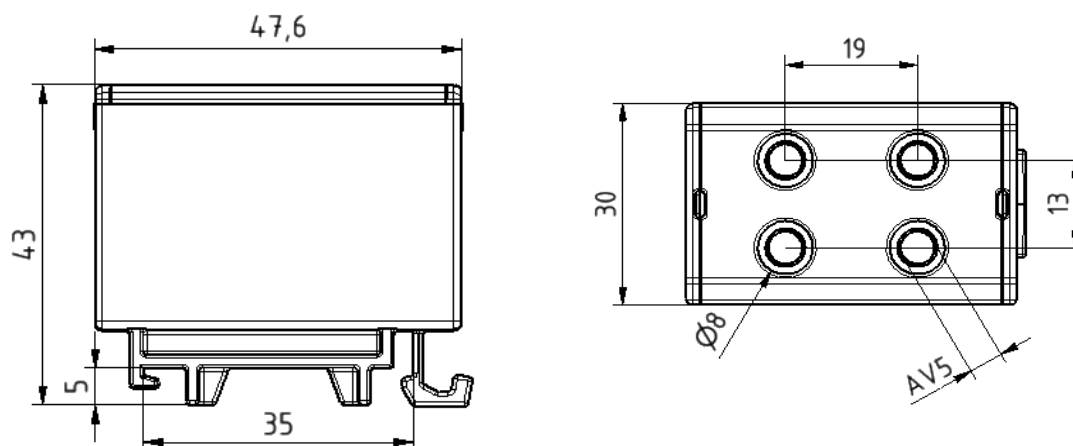
Product code	VC05-0048	STK-code	1914107	EAN-code	6410019141078
Product name	OTL-connector 2xAl/Cu 1,5-50mm ² (Blue)				
Wires	2xAl/Cu 1,5-50mm ²				

Technical data

Nominal current	Cu	320	A
	Al	290	A
Nominal voltage		1000	V
Max. Current (US)	Cu	300	A
	Al	240	A
Max. Voltage (US)		600	V
Number of pole		1	pcs
Max. Cross section		2x50	mm ²
Tightening torque	1,5-2,5 mm ²	1,5	Nm
	4-10 mm ²	5	Nm
	16-50 mm ²	12	Nm
	-	-	Nm
Max. Operating temperature		80	°C
Weight		90	g
IP-protection		IP20	
Standards	EN 61238-1; EN60947-7-1; UL1059		
Color/ Material	Blue RAL 5015/ PA66		
Mounting/ Connection	DIN-rail mounting		


Description

OTL-connectors are designed to be used connecting and branching aluminium and copper conductors. Bodies are made of tin-plated aluminium.

Drawing

Package

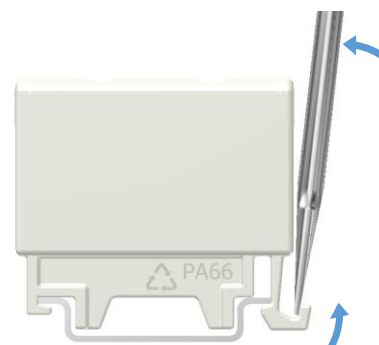
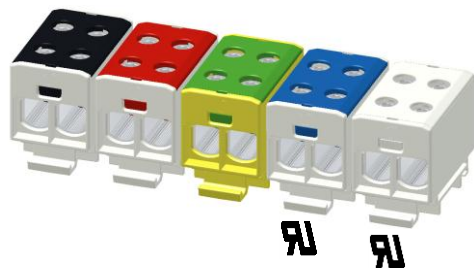
Package	Box	pcs/ package	15	Weight [Kg]	0,80
Length [mm]	120	Width [mm]	130	Height [mm]	100

Product data

Product code	Product name	I _{n Al}	I _{n Cu}	U _n	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	240 A	300 A	600 V
VC05-0048	OTL-connector 2xAl/Cu 1,5-50mm ² (Blue)	290 A	320 A	1000 V	240 A	300 A	600 V
VC05-0049	OTL-connector 2xAl/Cu 1,5-50mm ² (Yellow/Green)	290 A	320 A	1000 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

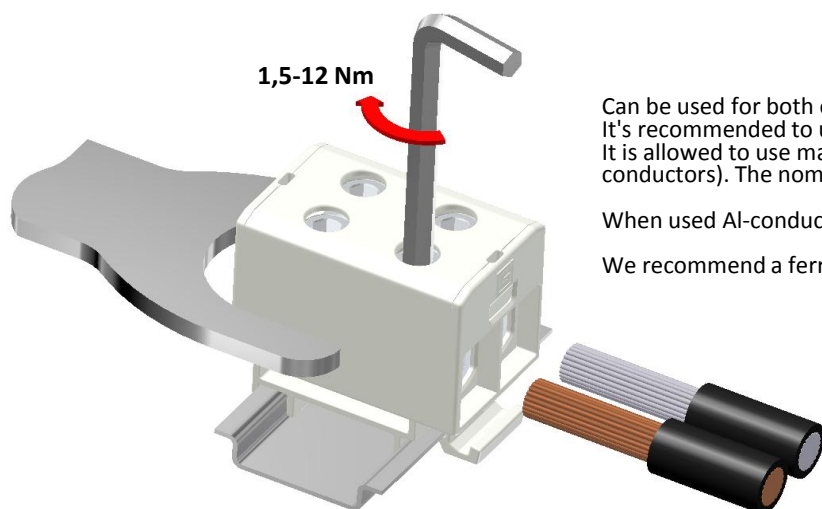
DIN-rail mounting
Set the connector to DIN-rail.
See picture. Push until "click"

Removing from DIN-rail

Release the plastic snap with screwdriver. Lift the connector.

Connection

Screw 	Thread	M10	Tightening torque <table><tr><td>1,5-2,5 mm²</td><td>1,5 Nm</td></tr><tr><td>4-10 mm²</td><td>5 Nm</td></tr><tr><td>16-50 mm²</td><td>12 Nm</td></tr><tr><td>-</td><td>-</td></tr></table>	1,5-2,5 mm²	1,5 Nm	4-10 mm²	5 Nm	16-50 mm²	12 Nm	-	-	Stripping lenght L  15 mm
	1,5-2,5 mm²	1,5 Nm										
	4-10 mm²	5 Nm										
	16-50 mm²	12 Nm										
	-	-										
SW	5											
		Max. Wire cross section 50 mm²										



Installation

Can be used for both **copper- or aluminium conductors**. With the Al-conductors, It's recommended to use anti-corrosion paste. (i.e. Penetrox). It is allowed to use max. of three adjacent cross-sections in one space (Copper conductors). The nominal max. cross-section value must not be exceeded.

When used AI-conductors, it is allowed to use only one conductor/ one space.

We recommend a ferrule when using a fine-stranded conductor.

Each protective conductor must have their own conductor space. SFS 6000:1999 clause 810.2.6

Cross-section of conductors and number of conductors/ space. (Al-conductors in parenthesis)

[illegible]