

Product data

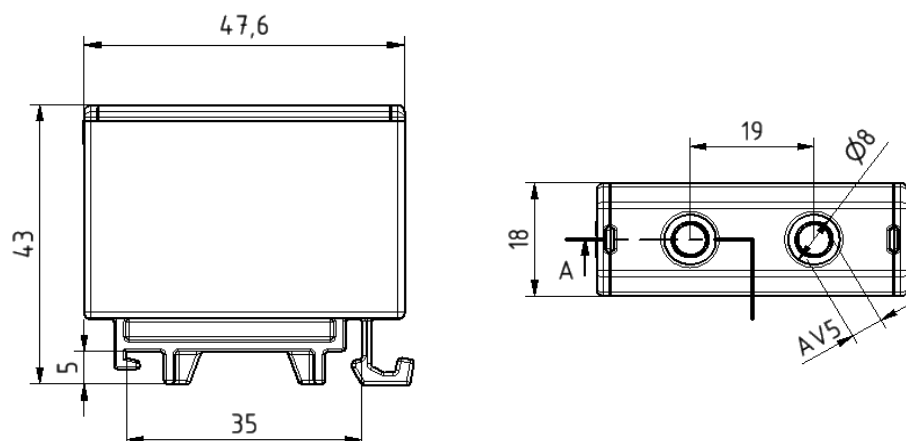
Product code	VC05-0046	STK-code	1914104	EAN-code	6410019141047
Product name	OTL-connector 1xAl/Cu 1,5-50mm ² (Blue)				
Wires	1xAl/Cu 1,5-50mm ²				

Technical data

Nominal current	Cu	160	A
	Al	145	A
Nominal voltage		1000	V
Max. Current (US)	Cu	150	A
	Al	120	A
Max. Voltage (US)		600	V
Number of pole		1	pcs
Max. Cross section		50	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		30	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 cobber conductors. Bodies are made of tin-plated aluminium.

Drawing

Package

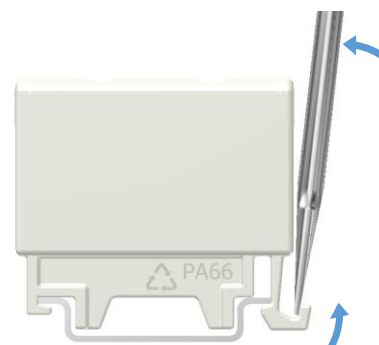
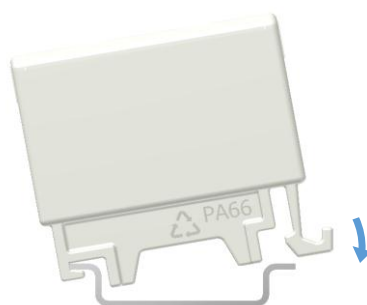
Package	Box	pcs/ package	50	Weight [Kg]	1,60
Length [mm]	210	Width [mm]	155	Height [mm]	105

Product data

Product code	Product name	I _{n Al}	I _{n Cu}	U _n	I _{max Al}	I _{max Cu}	U _{max}
VC05-0013	OTL-connector 1xAl/Cu 1,5-50mm ² (Grey)	145 A	160 A	1000 V	120 A	150 A	600 V
VC05-0046	OTL-connector 1xAl/Cu 1,5-50mm ² (Blue)	145 A	160 A	1000 V	120 A	150 A	600 V
VC05-0047	OTL-connector 1xAl/Cu 1,5-50mm ² (Yellow/Green)	145 A	160 A	1000 V	-	-	-
VC05-0142	OTL-connector 1xAl/Cu 1,5-50mm ² (Red)	145 A	160 A	1000 V	-	-	-
VC05-0143	OTL-connector 1xAl/Cu 1,5-50mm ² (Black)	145 A	160 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"

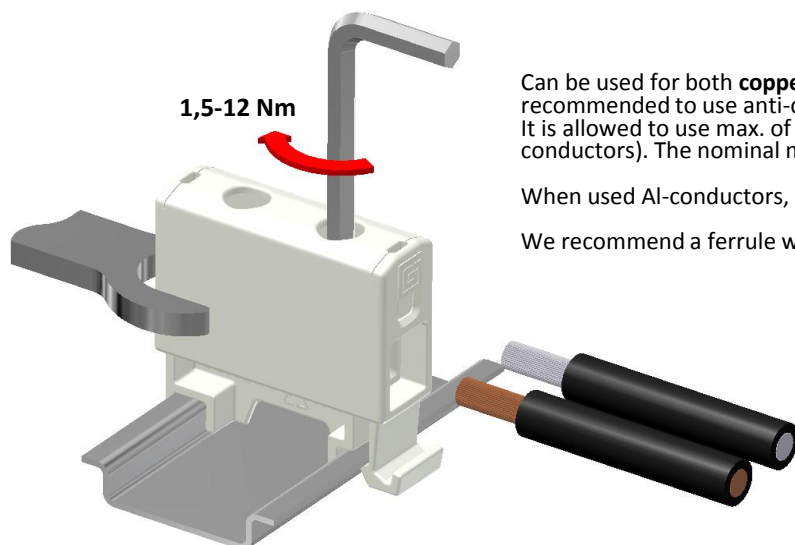
Removing from DIN-rail

Release the plastic snap with screwdriver. Lift the connector.

Connection

Connection								
Screw		Thread	M10	Tightening torque	1,5-2,5 mm²	1,5 Nm	Stripping lenght L	
		SW	5		4-10 mm²	5 Nm		
					16-50 mm²	12 Nm		
					-	-		
		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]