

Product data

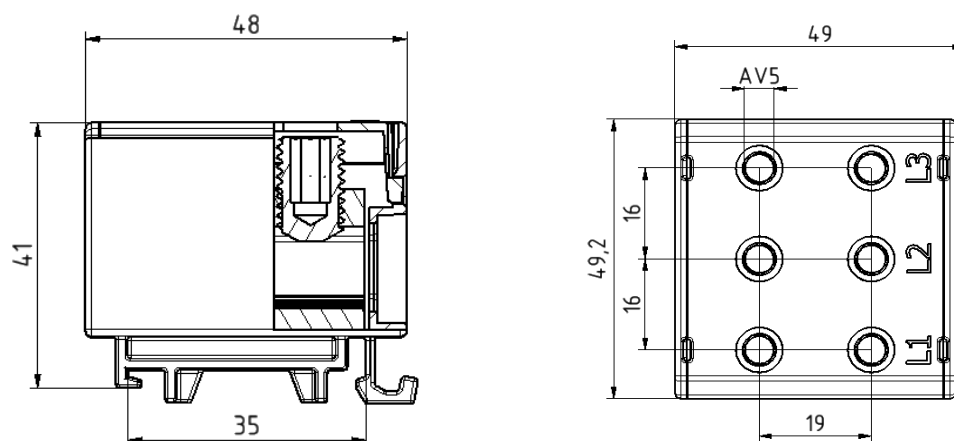
Product code	VC05-0054	STK-code	1914109	EAN-code	6410019141092
Product name	OTL-connector 3xAl/Cu (1x50 mm ²) Grey				
Wires	3xAl/Cu (1x50 mm ²)				

Technical data

Nominal current	Cu	160	A
	Al	145	A
Nominal voltage		690	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		100	g
IP-protection		IP20	
Standards	EN 61238-1; EN60947-7-1; UL1059		
Color/ Material	Grey RAL 7035/ PA66		
Mounting/ Connection	DIN-rail mounting		


Description

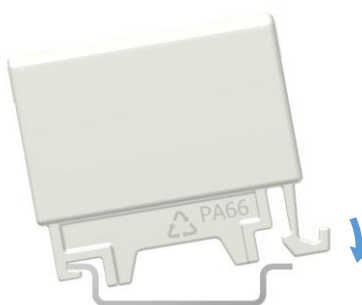
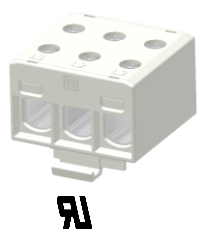
OTL-connectors are designed to be used connecting and branching aluminium and copper conductors. Bodies are made of tin-plated aluminium.

Drawing

Package

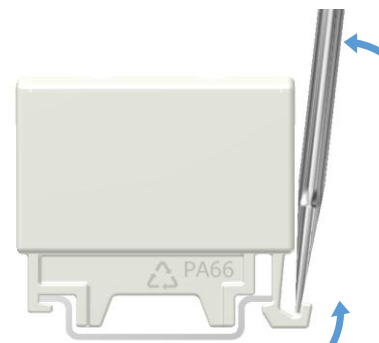
Package	Box	pcs/ package	20	Weight [Kg]	1,70
Length [mm]	210	Width [mm]	155	Height [mm]	105

Product data							
Product code	Product name	I_n Al	I_n Cu	U_n	I_{max} Al	I_{max} Cu	U_{max}
VC05-0054	OTL-connector 3xAl/Cu (1x50 mm ²) Grey	145 A	160 A	690 V	120 A	150 A	600 V

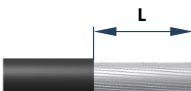
Installation	
Type	DIN-rail mounting

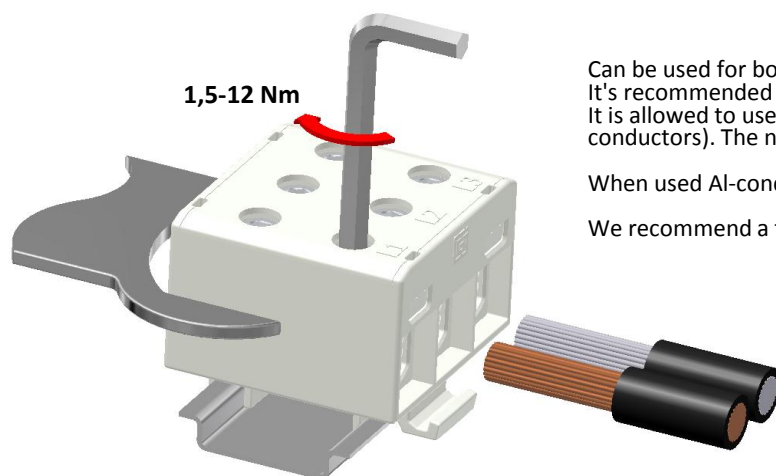


DIN-rail mounting
 Set the connector to DIN-rail.
 See picture. Push until "click"



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

Connection							
Screw 	Thread	M8	Tightening torque	1,5-2,5 mm²	1,5 Nm	Stripping lenght L	15 mm
	SW	4		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 Al-conductors, it is allowed to use only one conductor/ one space.

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

Cross-section of conductors and number of 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 conductors number on table refer 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
				0	0	0	0	0	0