

**Product data**

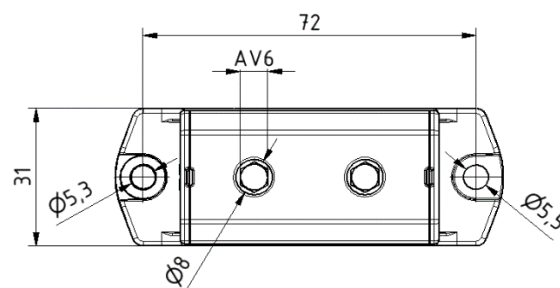
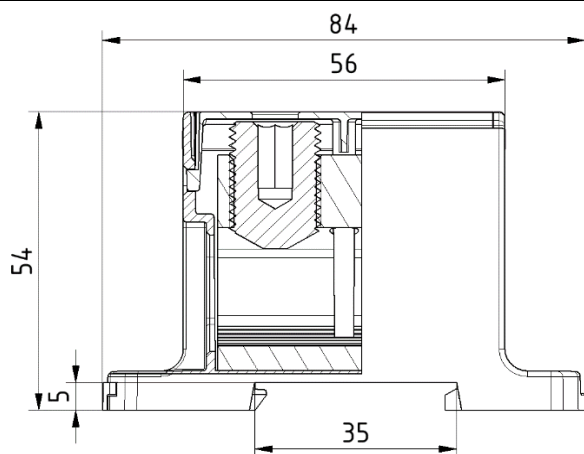
Product code	<b>VC05-0029</b>	STK-code	<b>1914125</b>	EAN-code	<b>6410019141252</b>
Product name	OTL-connector 1xAl/Cu 150mm <sup>2</sup> (Blue)				
Wires	1xAl/Cu 150mm <sup>2</sup>				

**Technical data**

Nominal current	Cu	<b>320</b>	A
	Al	<b>290</b>	A
Nominal voltage		<b>690</b>	V
Max. Current (US)	Cu	-	A
	Al	-	A
Max. Voltage (US)		-	V
Number of pole		<b>1</b>	pcs
Max. Cross section		<b>150</b>	mm <sup>2</sup>
Tightening torque	25-50 mm <sup>2</sup>	<b>14</b>	Nm
	70-120 mm <sup>2</sup>	<b>25</b>	Nm
	150 mm <sup>2</sup>	<b>30</b>	Nm
	-	-	Nm
Max. Operating temperature		<b>80</b>	°C
Weight		<b>100</b>	g
IP-protection		<b>IP20</b>	
Standards	<b>EN 61238-1; EN60947-7-1</b>		
Color/ Material	<b>Blue RAL 5015/ PA66</b>		
Mounting/ Connection	<b>DIN-rail and screw (M5) mounting</b>		


**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	<b>Box</b>	pcs/ package	<b>10</b>	Weight [Kg]	<b>1,00</b>
Length [mm]	<b>210</b>	Width [mm]	<b>155</b>	Height [mm]	<b>105</b>

Product data							
Product code	Product name	$I_n$ Al	$I_n$ Cu	$U_n$	$I_{max}$ Al	$I_{max}$ Cu	$U_{max}$
<b>VC05-0028</b>	OTL-connector 1xAl/Cu 150mm <sup>2</sup> (Grey)	290 A	320 A	690 V	-	-	-
<b>VC05-0029</b>	OTL-connector 1xAl/Cu 150mm <sup>2</sup> (Blue)	290 A	320 A	690 V	-	-	-
<b>VC05-0030</b>	OTL-connector 1xAl/Cu 150mm <sup>2</sup> (Yellow/Green)	290 A	320 A	690 V	-	-	-

Installation	
Type	<b>DIN-rail and screw (M5) mounting</b>




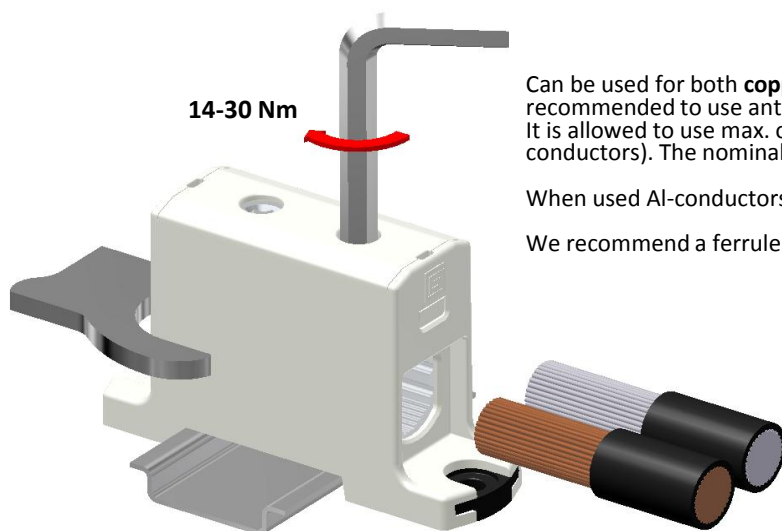
**DIN-rail mounting**  
Set the connector to DIN-rail.  
See picture. Push until "click"  
**Removing**  
Release the slider and lift connector



**Screw mounting**  
Use max. Ø5 mm screw.  
See picture .



Connection							
<div>Screw</div> <div></div>	Thread	M16	Tightening torque	25-50 mm²	14 Nm	Stripping lenght L	20 mm
	SW	6		70-120 mm²	25 Nm		
				150 mm²	30 Nm		
				-	-		
				Max. Wire cross section	150 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.

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)									
1,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	The conductors number on table refer only to industrially installed terminals.	
<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3 (1)</b>	<b>3 (1)</b>	<b>3 (1)</b>		
			70 mm <sup>2</sup>	95 mm <sup>2</sup>	120 mm <sup>2</sup>	150 mm <sup>2</sup>	185 mm <sup>2</sup>	240 mm <sup>2</sup>	300 mm <sup>2</sup>
			<b>2 (1)</b>	<b>1 (1)</b>	<b>1 (1)</b>	<b>1 (1)</b>	<b>0</b>	<b>0</b>	<b>0</b>