

**Product data**

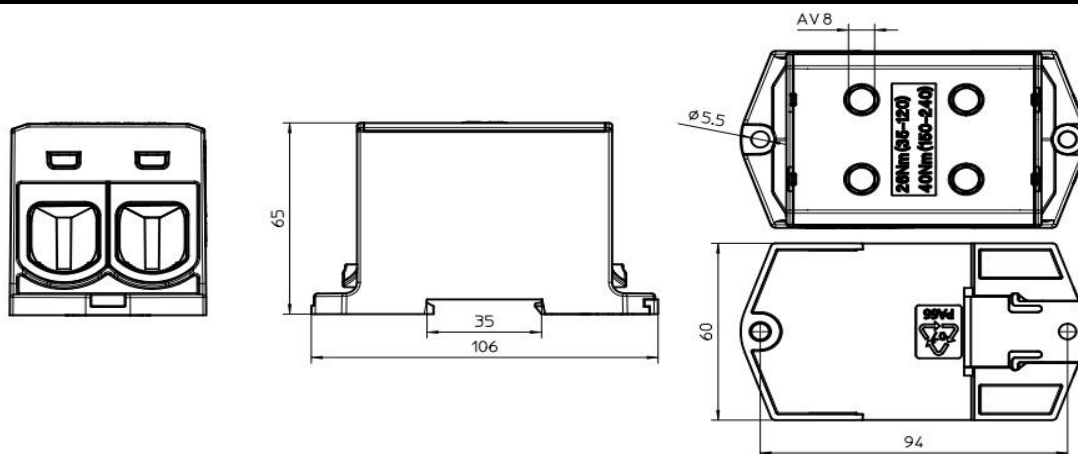
Product code	<b>VC05-0039</b>	STK-code	<b>1914135</b>	EAN-code	<b>6410019141351</b>
Product name	OTL-connector 2xAl/Cu 240mm <sup>2</sup> (Yellow/Green)				
Wires	2xAl/Cu 240mm <sup>2</sup>				

**Technical data**

Nominal current	Cu	<b>850</b>	A
	Al	<b>760</b>	A
Nominal voltage		<b>1000</b>	V
Max. Current (US)	Cu	-	A
	Al	-	A
Max. Voltage (US)		-	V
Number of pole		<b>1</b>	pcs
Max. Cross section		<b>240</b>	mm <sup>2</sup>
Tightening torque	35-120 mm <sup>2</sup>	<b>26</b>	Nm
	150-240 mm <sup>2</sup>	<b>40</b>	Nm
	-	-	Nm
	-	-	Nm
Max. Operating temperature		<b>80</b>	°C
Weight		<b>340</b>	g
IP-protection		<b>IP20</b>	
Standards	<b>EN 61238-1; EN60947-7-1</b>		
Color/ Material	<b>Green RAL 6018, Yellow RAL 1016/ PA66-V0</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. The body is made of tin plated aluminium.

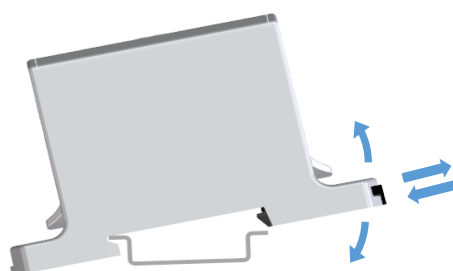
**Drawing**

**Package**

Package	<b>Box</b>	Pcs / Package	<b>3</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	$U_n$	US specific		
					$I_{max}$ Al	$I_{max}$ Cu	$U_{max}$
<b>VC05-0037</b>	OTL-connector 2xAl/Cu 240mm <sup>2</sup> (Grey)	760 A	850 A	1000 V	-	-	-
<b>VC05-0038</b>	OTL-connector 2xAl/Cu 240mm <sup>2</sup> (Blue)	760 A	850 A	1000 V	-	-	-
<b>VC05-0039</b>	OTL-connector 2xAl/Cu 240mm <sup>2</sup> (Yellow/Green)	760 A	850 A	1000 V	-	-	-

## Installation

Type	DIN-rail and screw (M5) mounting
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### DIN-rail mounting

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

### Removing

Release the slider and lift connector





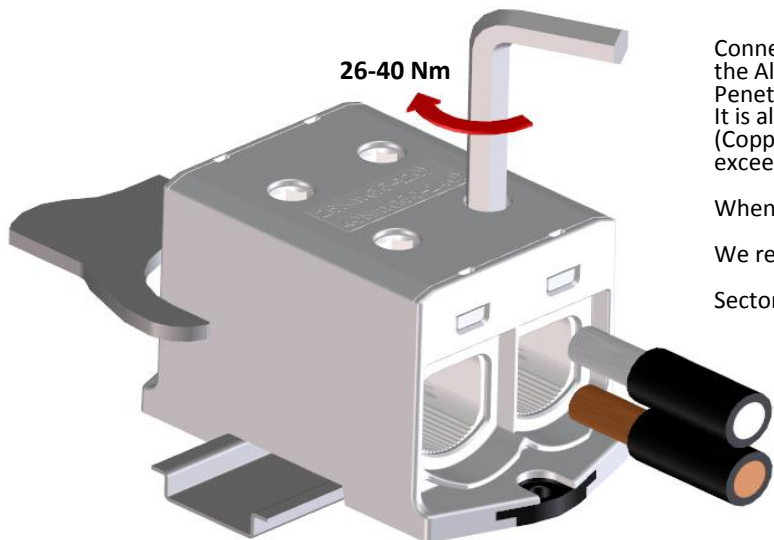
### Screw mounting

Use max. Ø5 mm screw.  
See picture .



## Connection

Screw	Thread	M20	Tightening torque	35-120 mm²	26 Nm	Stripping length L		30 mm
	SW	8		150-240 mm²	40 Nm			
				-	-			
				-	-			
				Max. Wire cross section	240 mm²			



### Installation

Connector can be used for both **copper- or aluminium conductors**. With the Al-conductors, It's recommended to use anti-corrosion paste. (e.g. 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/space.

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

Sector shaped conductors must be pre-rounded before installation.

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 mm2	2,5 mm2	6 mm2	10 mm2	16 mm2	25 mm2	35 mm2	50 mm2	The specified max. amount of conductors refers only to industrially installed terminals.		
-	-	-	-	-	-	<b>3 (1)</b>	<b>3 (1)</b>			
			70 mm2	95 mm2	120 mm2	150 mm2	185 mm2	240 mm2	300 mm2	400 mm2
			<b>3 (1)</b>	<b>2 (1)</b>	<b>2 (1)</b>	<b>1 (1)</b>	<b>1 (1)</b>	<b>1 (1)</b>	-	-