OUNEVA GROUP

PRODUCT CARD

Product data

Product code	**VC05-0043**	STK-code	**1914116**	EAN-code	**6410019141160**
Product name	OTL-connector 2xAl/Cu 6-95mm² (Blue)				
Wires	2xAl/Cu 6-95mm²				

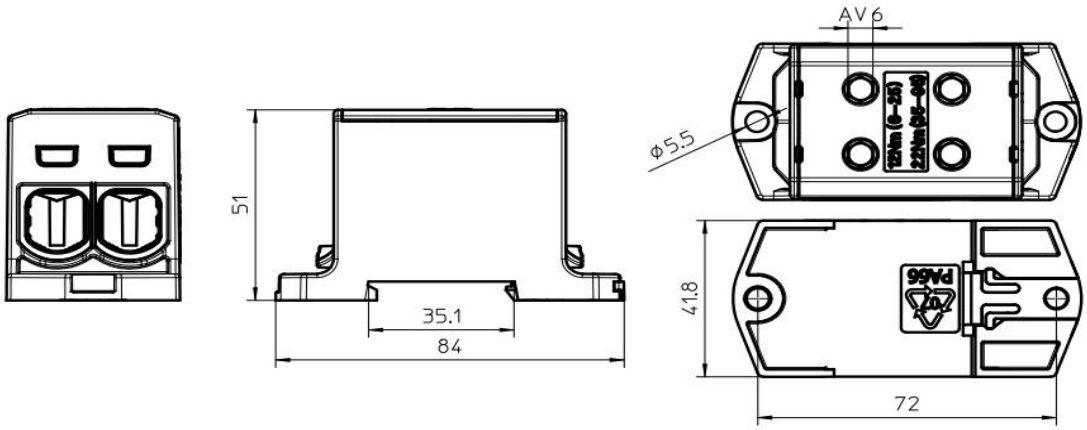
Technical data

Nominal current	Cu	**490**	A
	Al	**440**	A
Nominal voltage		**1000**	V
Max. Current (US)	Cu	**-**	A
	Al	**-**	A
Max. Voltage (US)		**-**	V
Number of pole		**1**	pcs
Max. Cross section		**95**	mm²
Tightening torque	6-25 mm²	**12**	Nm
	35-95 mm²	**22**	Nm
	-	**-**	Nm
	-	**-**	Nm
Max. Operating temperature		**80**	°C
Weight		**125**	g
IP-protection		**IP20**	
Standards		**EN 61238-1; EN60947-7-1**	
Color/ Material		**Blue RAL 5015/ PA66-V0**	
Mounting/ Connection		**DIN-rail and screw (M5) mounting**	

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	**Box**	Pcs / Package	**15**	Weight [kg]	**1,80**
Length [mm]	**210**	Width [mm]	**155**	Height [mm]	**105**

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INSTALLATION GUIDE

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	US specific		
					$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VC05-0042	OTL-connector 2xAl/Cu 6-95mm² (Grey)	440 A	490 A	1000 V	-	-	-
VC05-0043	OTL-connector 2xAl/Cu 6-95mm² (Blue)	440 A	490 A	1000 V	-	-	-
VC05-0044	OTL-connector 2xAl/Cu 6-95mm² (Yellow/Green)	440 A	490 A	1000 V	-	-	-
VC05-0148	OTL-connector 2xAl/Cu 6-95mm² (Red)	440 A	490 A	1000 V	-	-	-
VC05-0149	OTL-connector 2xAl/Cu 6-95mm² (Black)	440 A	490 A	1000 V	-	-	-

Installation

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

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 .

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Connection

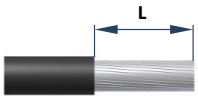
Screw

Thread	**M14**
SW	**6**

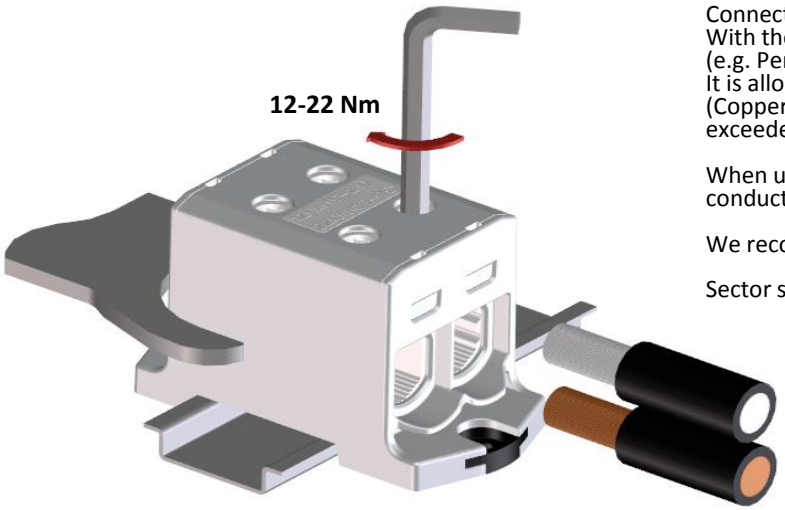
Tightening torque		
6-25 mm²	**12 Nm**
35-95 mm²	**22 Nm**
-	**-**
-	**-**

Max. Wire cross section **95 mm²**

Stripping length **L** **20 mm**



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
-	-	**3 (1)**	**3 (1)**	**3 (1)**	**3 (1)**	**2 (1)**	**1 (1)**

The specified max. amount of conductors refers only to industrially installed terminals.

70 mm2	95 mm2	120 mm2	150 mm2	185 mm2	240 mm2	300 mm2	400 mm2
1 (1)	**1 (1)**	-	-	-	-	-	-