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PRODUCT CARD

Product data

Product code	**VC05-0023**	STK-code	**1914119**	EAN-code	**6410019141191**
Product name	OTL-connector 1xAl/Cu 120mm² (Blue)				
Wires	1xAl/Cu 120mm²				

Technical data

Nominal current	Cu	**280**	A
	Al	**250**	A
Nominal voltage		**690**	V
Max. Current (US)	Cu	**-**	A
	Al	**-**	A
Max. Voltage (US)		**-**	V
Number of pole		**1**	pcs
Max. Cross section		**120**	mm²
Tightening torque	16-35 mm²	**12**	Nm
	50-120 mm²	**25**	Nm
	-	**-**	Nm
	-	**-**	Nm
Max. Operating temperature		**80**	°C
Weight		**85**	g
IP-protection		**IP20**	
Standards		**EN 61238-1; EN60947-7-1**	
Color/ Material		**Blue RAL 5015/ PA66**	
Mounting/ Connection		**DIN-rail and screw (M5) mounting**	

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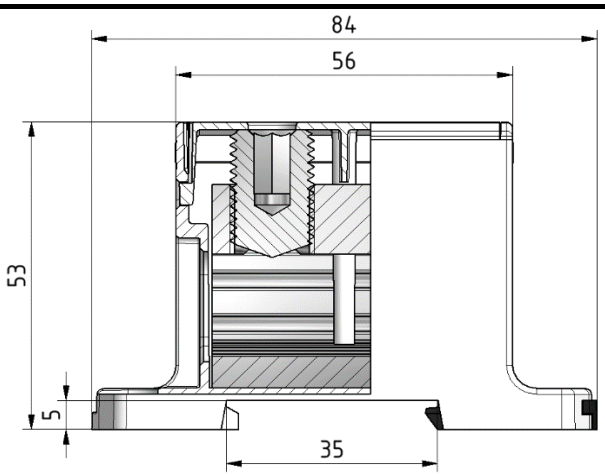
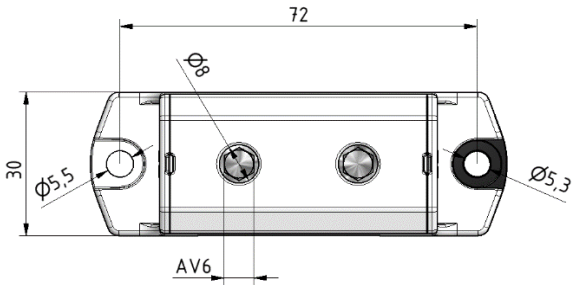
Description

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	**15**	Weight [Kg]	**1,45**
Length [mm]	**210**	Width [mm]	**155**	Height [mm]	**105**

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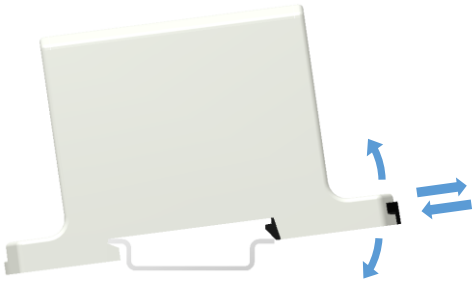
INSTALLATION GUIDE

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VC05-0022	OTL-connector 1xAl/Cu 120mm² (Grey)	250 A	280 A	690 V	-	-	-
VC05-0023	OTL-connector 1xAl/Cu 120mm² (Blue)	250 A	280 A	690 V	-	-	-
VC05-0024	OTL-connector 1xAl/Cu 120mm² (Yellow/Green)	250 A	280 A	690 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

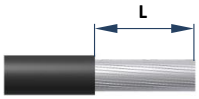
Thread	**M14**
SW	**6**

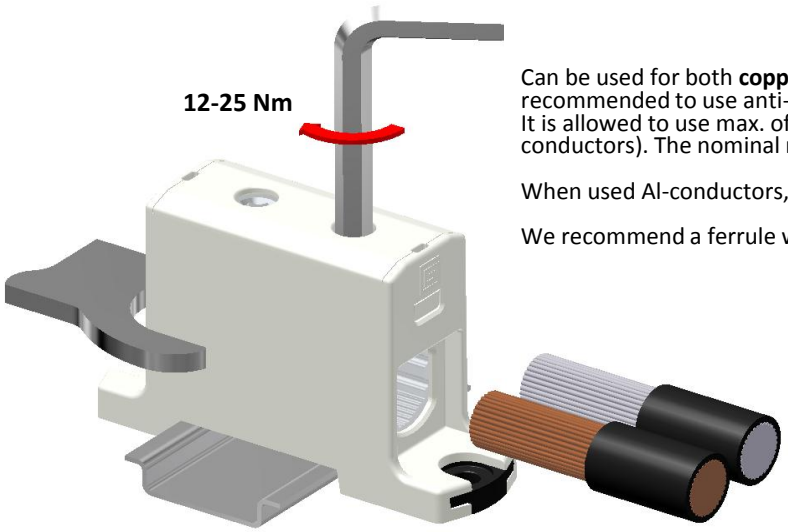
Tightening torque

16-35 mm²	**12 Nm**
50-120 mm²	**25 Nm**
-	**-**
-	**-**

Max. Wire cross section **120 mm²**

Stripping lenght **L** **20 mm**





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 mm2	2,5 mm2	6 mm2	10 mm2	16 mm2	25 mm2	35 mm2	50 mm2
0	**0**	**0**	**0**	**3 (1)**	**3 (1)**	**3 (1)**	**2 (1)**

The conductors number on table refer 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)**	**1 (1)**	**0**	**0**	**0**	**0**	**0**