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PRODUCT CARD

Product data

Product code	**VC05-0036**	STK-code	**1914132**	EAN-code	**6410019141320**
Product name	OTL-connector 1xAl/Cu 240mm² (Yellow/Green)				
Wires	1xAl/Cu 240mm²				

Technical data

Nominal current	Cu	**425**	A
	Al	**380**	A
Nominal voltage		**690**	V
Max. Current (US)	Cu	**-**	A
	Al	**-**	A
Max. Voltage (US)		**-**	V
Number of pole		**1**	pcs
Max. Cross section		**240**	mm²
Tightening torque	35-120 mm²	**26**	Nm
	150-240 mm²	**40**	Nm
	-	**-**	Nm
	-	**-**	Nm
Max. Operating temperature		**80**	°C
Weight		**195**	g
IP-protection		**IP20**	
Standards		**EN 61238-1; EN60947-7-1**	
Color/ Material		**Green RAL 6018, Yellow RAL 1016/ PA66**	
Mounting/ Connection		**DIN-rail and screw (M5) mounting**	

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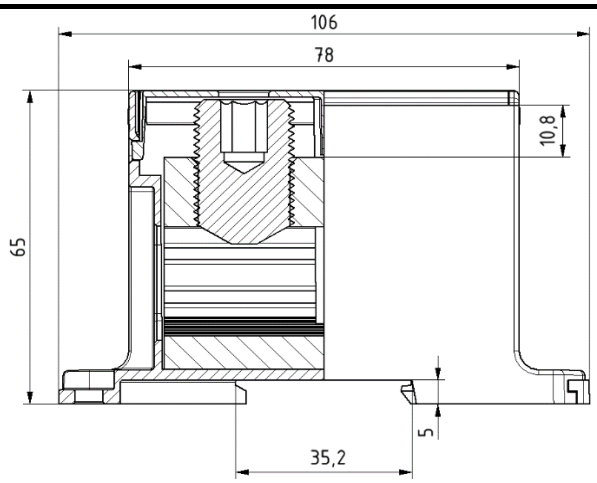
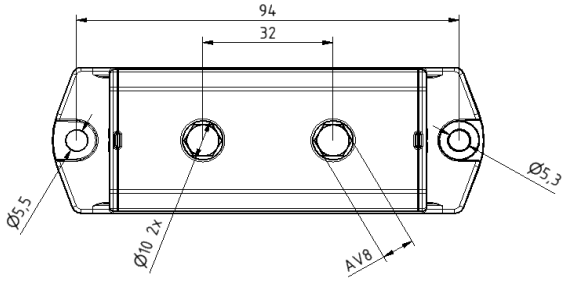
Description

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	**3**	Weight [Kg]	**0,60**
Length [mm]	**120**	Width [mm]	**130**	Height [mm]	**100**

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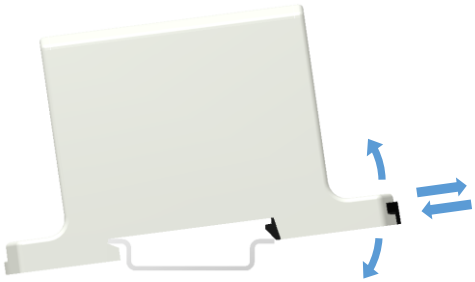
INSTALLATION GUIDE

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VC05-0034	OTL-connector 1xAl/Cu 240mm² (Grey)	380 A	425 A	690 V	-	-	-
VC05-0035	OTL-connector 1xAl/Cu 240mm² (Blue)	380 A	425 A	690 V	-	-	-
VC05-0036	OTL-connector 1xAl/Cu 240mm² (Yellow/Green)	380 A	425 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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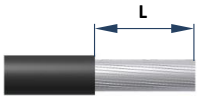
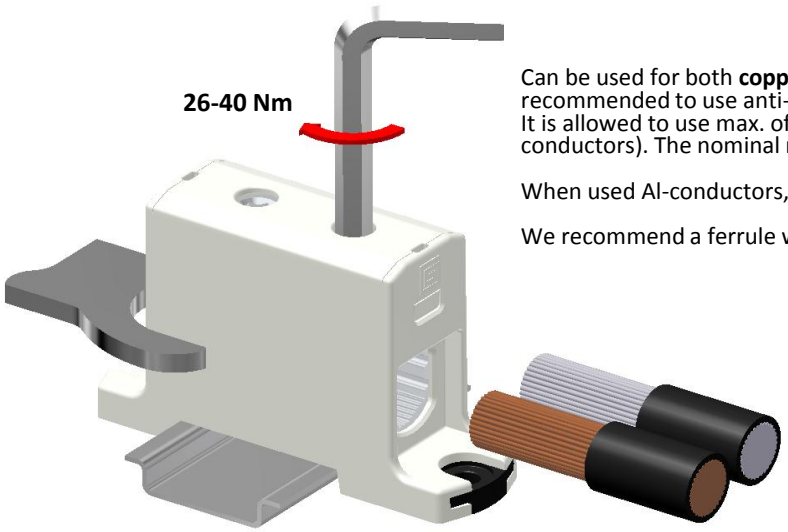
Connection

Screw		
	Thread	**M20**
	SW	**8**

Tightening torque		
	35-120 mm²	**26 Nm**
	150-240 mm²	**40 Nm**
	-	**-**
	-	**-**
Max. Wire cross section		**240 mm²**

Stripping lenght **L** **30 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**	**0**	**0**	**3 (1)**	**3 (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
3 (1)	**2 (1)**	**2 (1)**	**1 (1)**	**1 (1)**	**1 (1)**	**0**	**0**