

FDV – DOKUMENTASJON		Nr.: 068
		Rev.:
		Dato: 5.1.2016
Produktspesifikasjon	Tilkoblingsklemmer	
Produktnavn	Serie OTL, 1 polt, 4 tilkoblinger 35 – 240mm ²	
Anvisning for drift	Ingen	
Vedlikehold	Produktet er vedlikeholdsfritt	
Henvisninger Vedlegg	Produktkatalog, dokumentasjon, brukerveiledning og tekniske data	
Produsent	Ouneva group www.ounevagroup.fi/en/ouneva-products/home/	
Importør	EFA Elektro AS, Postboks 593, 1411 Kolbotn, Norway Tlf. 66812400 e-mail: post@efa.no - www.efa.no	

EFA Elektro AS



Rune Hovland
Produktsjef

Product data

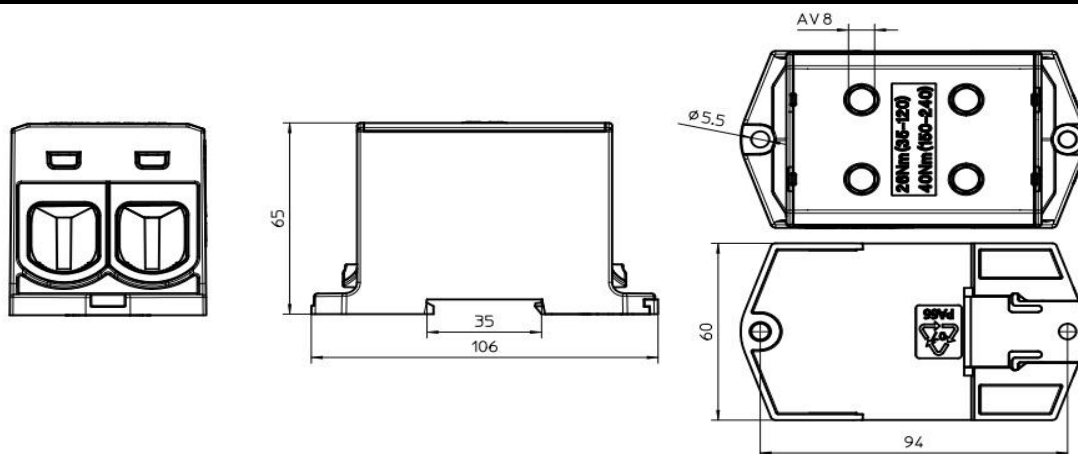
Product code	VC05-0037	STK-code	1914133	EAN-code	6410019141337
Product name	OTL-connector 2xAl/Cu 240mm ² (Grey)				
Wires	2xAl/Cu 240mm ²				

Technical data

Nominal current	Cu	850	A
	Al	760	A
Nominal voltage		1000	V
Max. Current (US)	Cu	760	A
	Al	620	A
Max. Voltage (US)		600	V
Number of pole		1	pcs
Max. Cross section		240	mm ²
Tightening torque	35-120 mm ²	26	Nm
	150-240 mm ²	40	Nm
	-	-	Nm
	-	-	Nm
Max. Operating temperature		80	°C
Weight		340	g
IP-protection		IP20	
Standards	EN 61238-1; EN60947-7-1; UL1059		
Color/ Material	Grey RAL 7035/ 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	6	Weight [kg]	2,00
Length [mm]	300	Width [mm]	205	Height [mm]	100

Product data

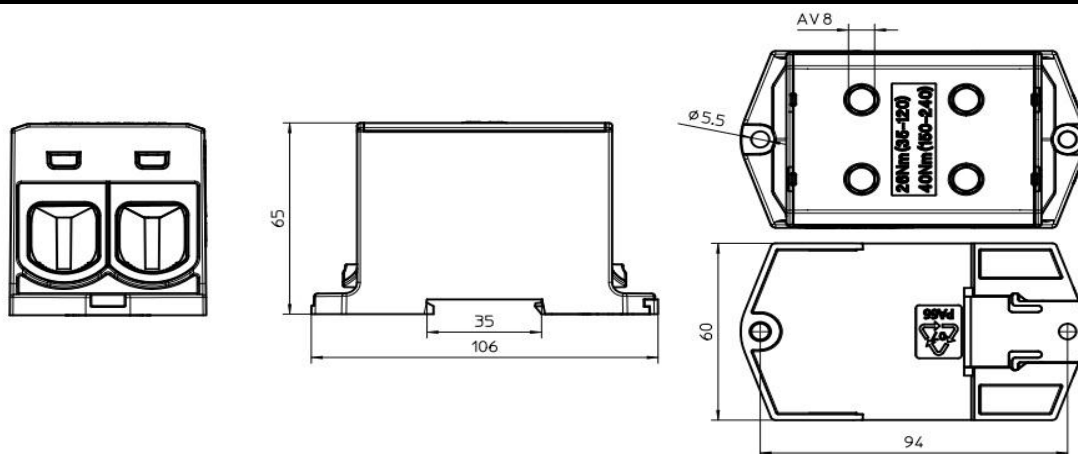
Product code	VC05-0038	STK-code	1914134	EAN-code	6410019141344
Product name	OTL-connector 2xAl/Cu 240mm ² (Blue)				
Wires	2xAl/Cu 240mm ²				

Technical data

Nominal current	Cu	850	A
	Al	760	A
Nominal voltage		1000	V
Max. Current (US)	Cu	760	A
	Al	620	A
Max. Voltage (US)		600	V
Number of pole		1	pcs
Max. Cross section		240	mm ²
Tightening torque	35-120 mm ²	26	Nm
	150-240 mm ²	40	Nm
	-	-	Nm
	-	-	Nm
Max. Operating temperature		80	°C
Weight		340	g
IP-protection		IP20	
Standards	EN 61238-1; EN60947-7-1; UL1059		
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	3	Weight [kg]	1,00
Length [mm]	210	Width [mm]	155	Height [mm]	105

Product data

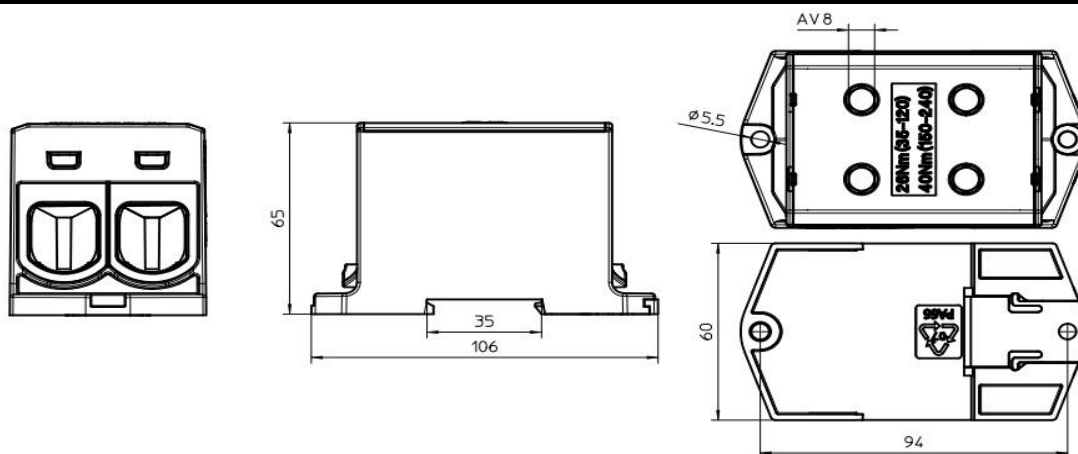
Product code	VC05-0039	STK-code	1914135	EAN-code	6410019141351
Product name	OTL-connector 2xAl/Cu 240mm ² (Yellow/Green)				
Wires	2xAl/Cu 240mm ²				

Technical data

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

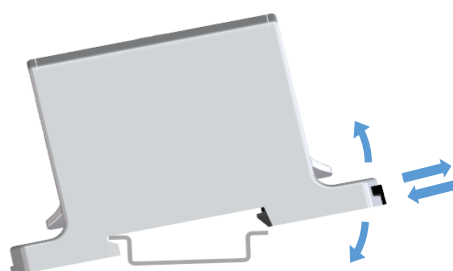
Drawing

Package

Package	Box	Pcs / Package	3	Weight [kg]	1,00
Length [mm]	210	Width [mm]	155	Height [mm]	105

Product data							
Product code	Product name	I_n Al	I_n Cu	U_n	US specific		
					I_{max} Al	I_{max} Cu	U_{max}
VC05-0037	OTL-connector 2xAl/Cu 240mm ² (Grey)	760 A	850 A	1000 V	-	-	-
VC05-0038	OTL-connector 2xAl/Cu 240mm ² (Blue)	760 A	850 A	1000 V	-	-	-
VC05-0039	OTL-connector 2xAl/Cu 240mm ² (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

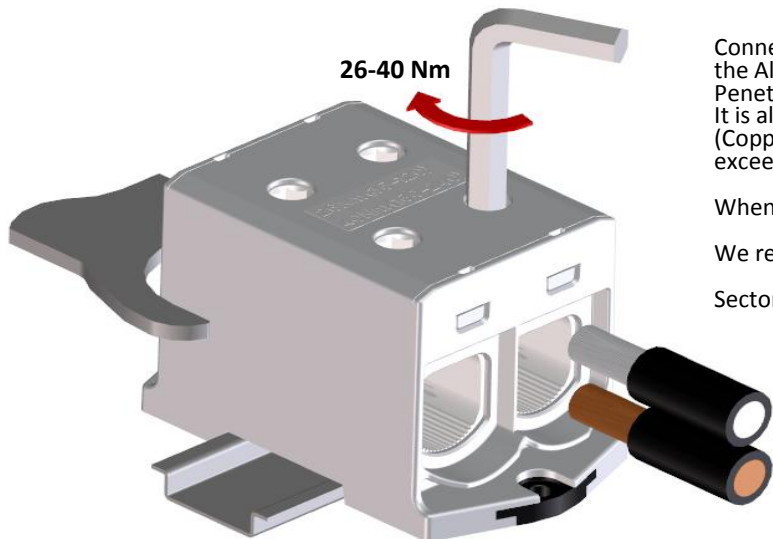


Screw mounting

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.		
-	-	-	-	-	-	3 (1)	3 (1)			
			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)	-	-