

FDV – DOKUMENTASJON		Nr.: 070
		Rev.:
		Dato: 13.1.2016
Produktspesifikasjon	Tilkoblingsklemme	
Produktnavn	Serie OT, uisolert kabelklemme 6 – 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



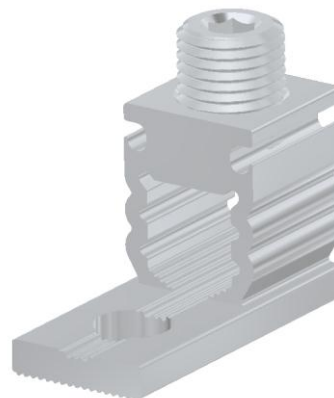
Rune Hovland
Produktsjef

Product data

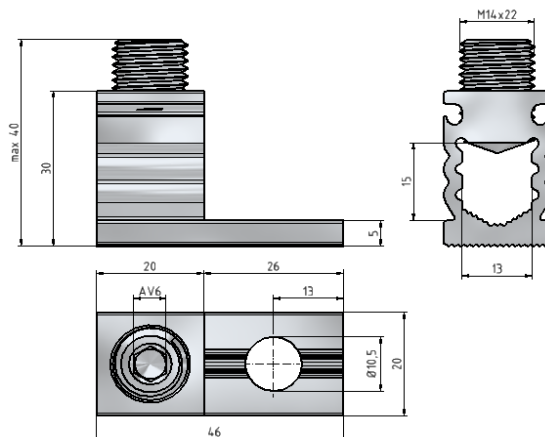
Product code	VC02-0001	STK-code	1912300	EAN-code	6410019123005
Product name	Universal connector 6-95mm ²				
Wires	1xAl/Cu 6-95 mm ²				

Technical data

Nominal current	Cu	245	A
	Al	220	A
Nominal voltage		690	V
Max. Current (US)	Cu	-	A
	Al	-	A
Max. Voltage (US)		-	V
Number of pole		1	
Max. Cross section		95	mm ²
Tightening torque	6-35 mm ²	12	Nm
Max. Operating temperature		80	°C
Weight		22	g
IP-protection		-	
Standards	EN 61238-1:2003		
Color/ Material	Sn		
Mounting/ Connection	Screw M14		


Description

Ouneva OT-connectors are a universal terminal series for connecting Al- and Cu-conductors to equipment. OT-connectors are used in equipment or as a transfer terminal between Cu and Al.

Drawing

Package

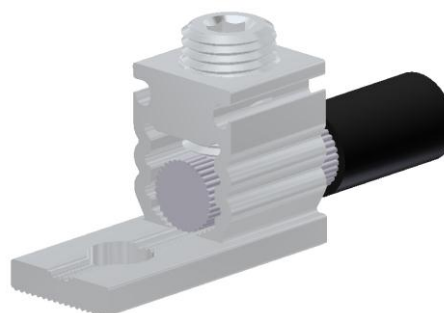
Package	Box	Pcs / Package	30	Weight [kg]	0,80
Length [mm]	120	Width [mm]	130	Height [mm]	100

Product data				
Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n
VC02-0001	Universal connector 6-95mm²	220 A	245	690 V
		$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
		-	-	-

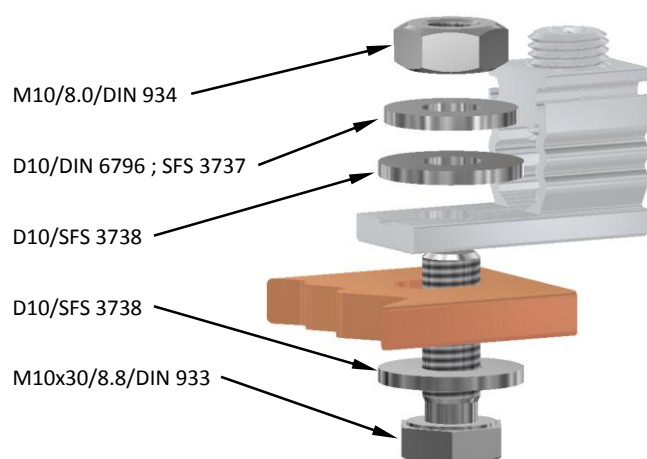
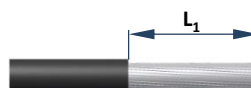
Installation	
Type	Screw M14

OT-Connectors are suitable for Aluminium- and Copper conductors.

- For stripping cable, see stripping length L_1 (table below)
- Remove any layer of oxide.
- Segmental conductors have to be rounded before mounting.

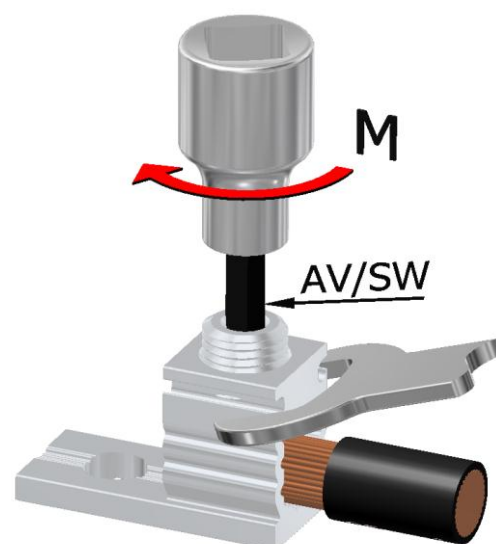


Connection				
Screw head for tool	SW	-	Conductors	1xAl/Cu 6-95 mm²
Tightening torque M	6-35 mm ²	12 Nm	Stripping length	L_1 22±1 mm
	50-95 mm ²	22 Nm		
	-	-		
	-	-		



Mounting to busbar. See picture above

- Be sure that, there are no burrs around the hole.
- Length of the screw depends on the busbar thickness.
- Use standard screws, nuts and washers. (Plated by Zn)
- Recommended torque for M10 is 30-44 Nm



- Tighten the screw torque **M**
- Support connector during tightening.

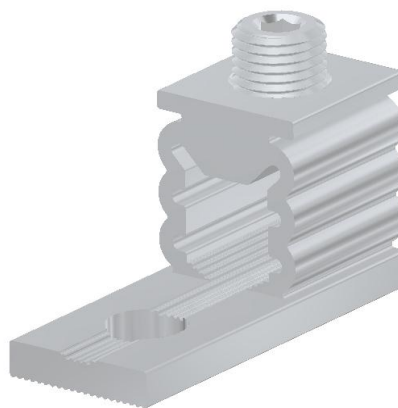
Wiring, pcs / connection, Cu(Al)							
1,5 mm ²	2,5 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²
-	-	-	-	-	3(1)	3(1)	3(1)
70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
3(1)	2(1)	1(1)	1(1)	1(1)	-	-	-

Product data

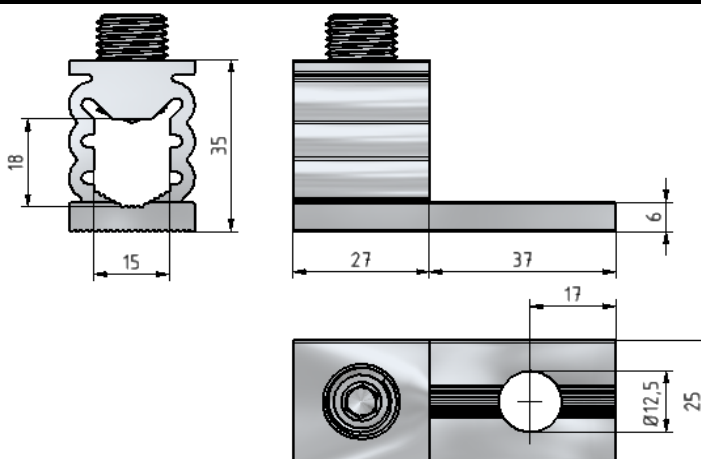
Product code	VC02-0003	STK-code	1912301	EAN-code	6410019123012
Product name	Universal connector 16-120mm ²				
Wires	1xAl/Cu 16-120 mm ²				

Technical data

Nominal current	Cu	280	A
	Al	230	A
Nominal voltage		690	V
Max. Current (US)	Cu	-	A
	Al	-	A
Max. Voltage (US)		-	V
Number of pole		1	
Max. Cross section		120	mm ²
Tightening torque	16-35 mm ²	12	Nm
Max. Operating temperature		80	°C
Weight		50	g
IP-protection		-	
Standards	EN 61238-1:2003		
Color/ Material	Sn		
Mounting/ Connection	Screw M14		


Description

Ouneva OT-connectors are a universal terminal series for connecting Al- and Cu-conductors to equipment. OT-connectors are used in equipment or as a transfer terminal between Cu and Al.

Drawing

Package

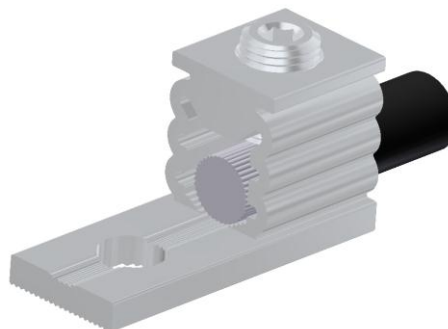
Package	Box	Pcs / Package	30	Weight [kg]	1,70
Length [mm]	210	Width [mm]	155	Height [mm]	105

Product data				
Product code	Product name	$I_{n\text{ Al}}$	$I_{n\text{ Cu}}$	U_n
VC02-0003	Universal connector 16-120mm²	230 A	280	690 V
		$I_{\text{max Al}}$	$I_{\text{max Cu}}$	U_{max}
		-	-	-

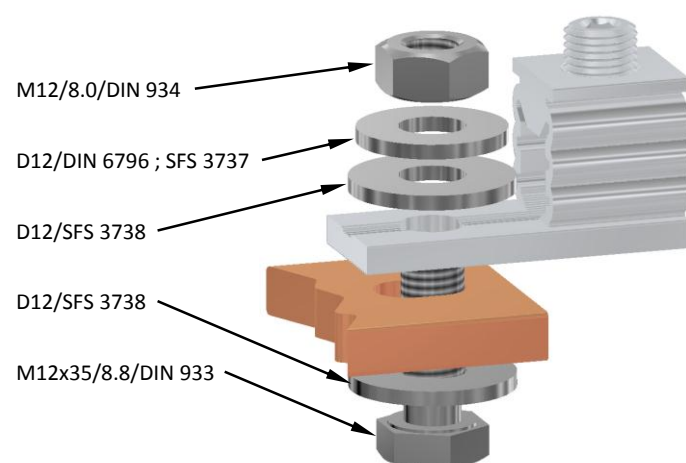
Installation	
Type	Screw M14

OT-Connectors are suitable for Aluminium- and Copper conductors.

- For stripping cable, see stripping length L_1 (table below)
- Remove any layer of oxide.
- Segmental conductors have to be rounded before mounting.

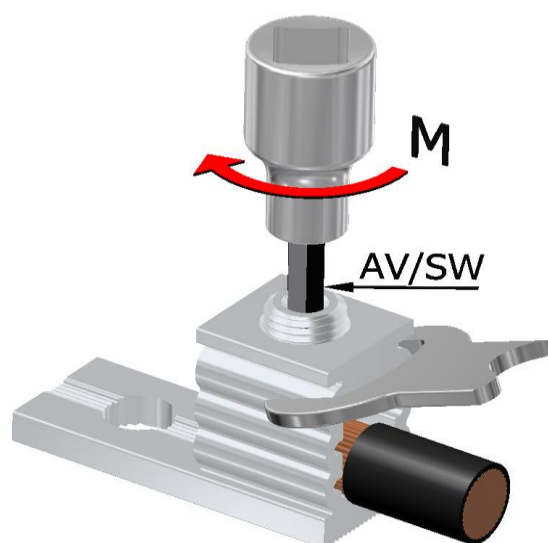


Connection				
Screw head for tool	SW	-	Conductors	1xAl/Cu 16-120 mm²
Tightening torque M	16-35 mm ²	12 Nm	Stripping length	L_1 26±1 mm
	50-120 mm ²	25 Nm		
	-	-		
	-	-		



Mounting to busbar. See picture above

- Be sure that, there are no burrs around the hole.
- Length of the screw depends on the busbar thickness.
- Use standard screws, nuts and washers. (Plated by Zn)
- Recommended torque for M12 is 50-75 Nm



- Tighten the screw torque M
- Support connector during tightening.

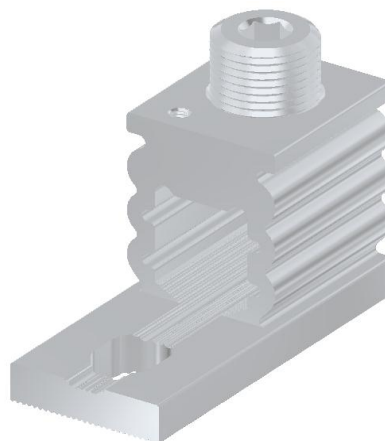
Wiring, pcs / connection, Cu(Al)							
1,5 mm ²	2,5 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²
-	-	-	-	-	-	-	3(1)
70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
3(1)	3(1)	2(1)	1(1)	1(1)	1(1)	-	-

Product data

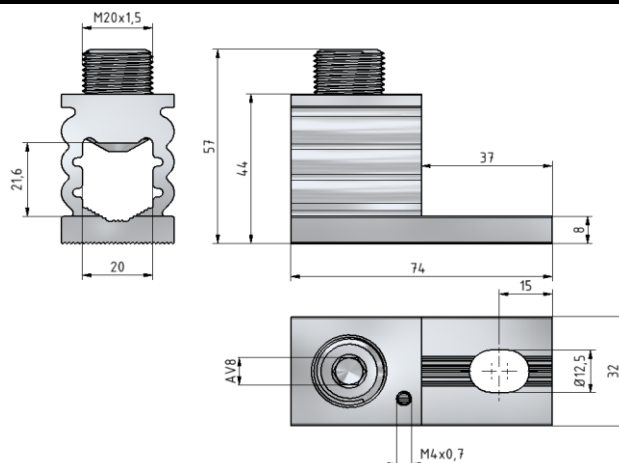
Product code	VC02-0007	STK-code	1912305	EAN-code	6410019123050
Product name	Universal connector 35-240mm ²				
Wires	1xAl/Cu 35-240 mm ²				

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	
Max. Cross section		240	mm ²
Tightening torque	35-120 mm ²	26	Nm
Max. Operating temperature		80	°C
Weight		86	g
IP-protection		-	
Standards	EN 61238-1:2003		
Color/ Material	Sn		
Mounting/ Connection	Screw M18		


Description

Ouneva OT-connectors are a universal terminal series for connecting Al- and Cu-conductors to equipment. OT-connectors are used in equipment or as a transfer terminal between Cu and Al.

Drawing

Package

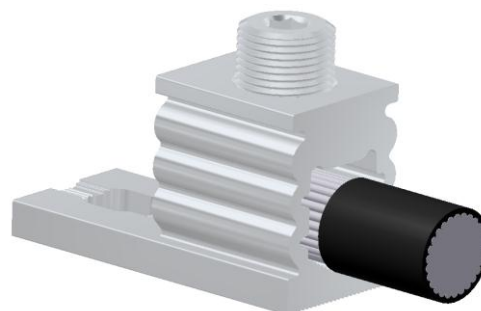
Package	Box	Pcs / Package	10	Weight [kg]	0,90
Length [mm]	120	Width [mm]	130	Height [mm]	100

Product data				
Product code	Product name	I_n Al	I_n Cu	U_n
VC02-0007	Universal connector 35-240mm²	380 A	425	690 V
		I_{max} Al	I_{max} Cu	U_{max}
		-	-	-

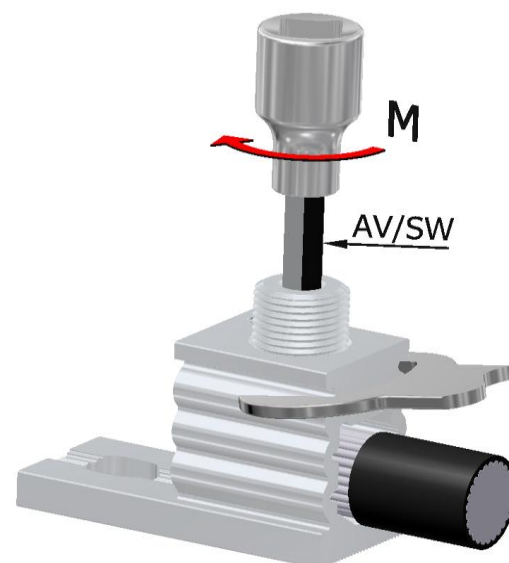
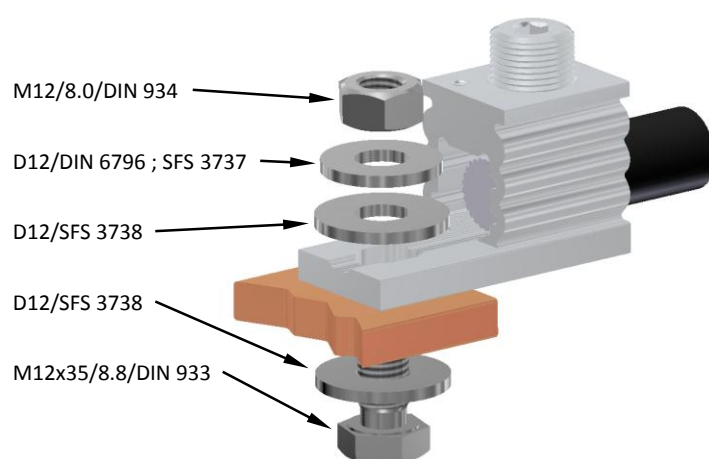
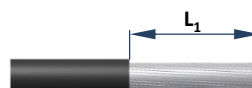
Installation	
Type	Screw M18

OT-Connectors are suitable for Aluminium- and Copper conductors.

- For stripping cable, see stripping length L_1 (table below)
- Remove any layer of oxide.
- Segmental conductors have to be rounded before mounting.



Connection				
Screw head for tool	SW	8 mm	Conductors	1xAl/Cu 35-240 mm²
Tightening torque M	35-120 mm ²	26 Nm	Stripping length	L_1 36±1 mm
	150-240 mm ²	40 Nm		
	-	-		
	-	-		



Mounting to busbar. See picture above

- Be sure that, there are no burrs around the hole.
- Length of the screw depends on the busbar thickness.
- Use standard screws, nuts and washers. (Plated by Zn)
- Recommended torque for M12 is 50-75 Nm

- Tighten the screw torque **M**
- Support connector during tightening.

Wiring, pcs / connection, Cu(Al)							
1,5 mm ²	2,5 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²
-	-	-	-	-	-	3(1)	3(1)
70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
3(1)	2(1)	2(1)	1(1)	1(1)	1(1)	-	-