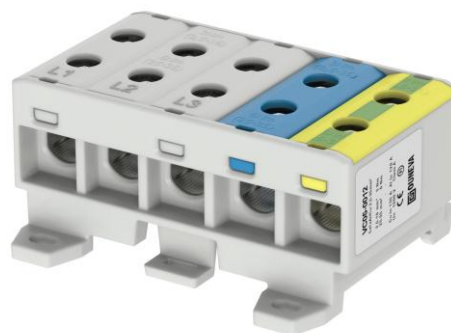


Product data

Product code	VC05-0012	STK-code	1912098	EAN-code	6410019120981
Product name	OTL-connector 5x1xAl/Cu 2,5-35mm ² (Grey)				
Wires	5x1xAl/Cu 2,5-35mm ²				

Technical data

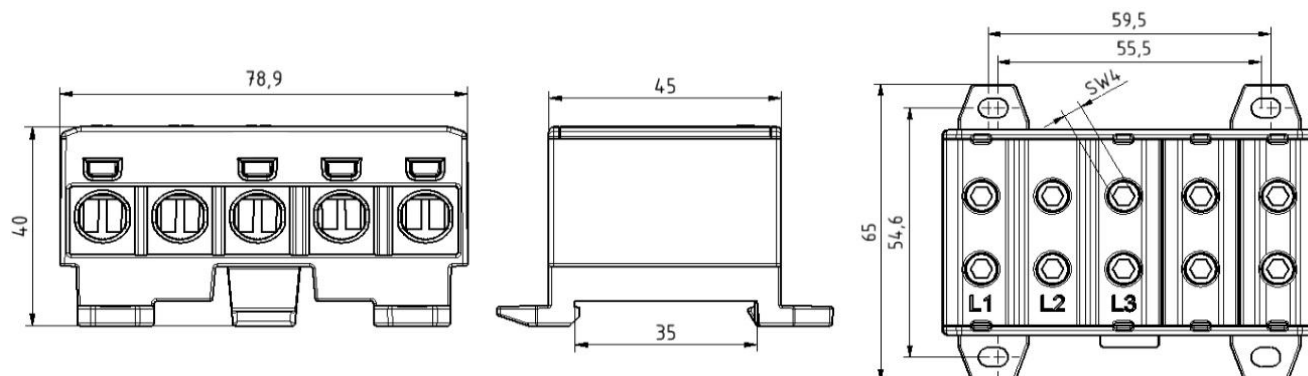
Nominal current	Cu	135	A
	Al	120	A
Nominal voltage		1000	V
Max. Current (US)	Cu	-	A
	Al	-	A
Max. Voltage (US)		-	V
Number of pole		5	pcs
Max. Cross section		35	mm ²
Tightening torque	2,5-16 mm ²	3	Nm
	25-35 mm ²	6	Nm
	-	-	Nm
	-	-	Nm
Max. Operating temperature		80	°C
Weight		120	g
IP-protection		IP20	



Standards	EN 61238-1:2003 ; EN 60947-7-1:2009
Color/ Material	Grey Housing RAL 7035/ PA66-V0
Mounting/ Connection	DIN-rail and screw (M4) 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

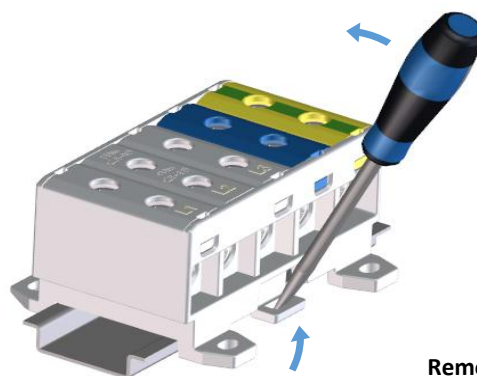
Package	Box	Pcs / Package	10	Weight [kg]	1,30
Length [mm]	210	Width [mm]	155	Height [mm]	105

Product data							
Product code	Product name	I_n Al	I_n Cu	U_n	US specific		
					I_{max} Al	I_{max} Cu	U_{max}
VC05-0012	OTL-connector 5x1xAl/Cu 2,5-35mm ² (Grey)	120 A	135 A	1000 V	-	-	-

Installation	
Type	DIN-rail and screw (M4) mounting





DIN-rail mounting
Set the connector to DIN-rail.
See picture. Push until "click"



Removing from DIN-rail
Release the plastic snap with
screwdriver. Lift the connector.

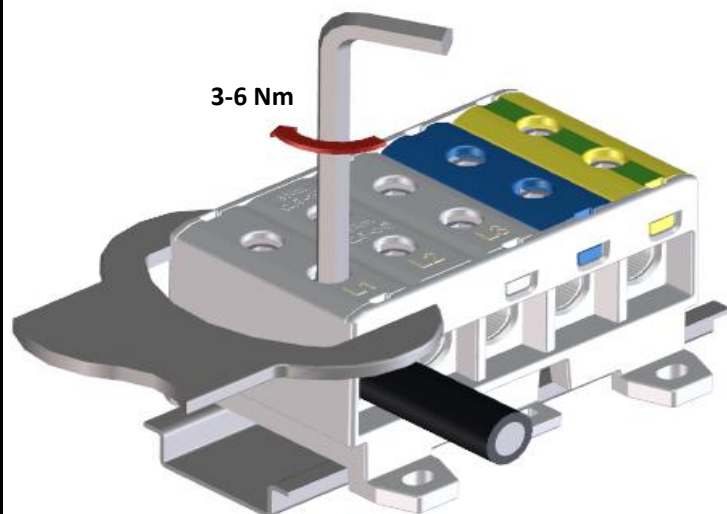
Connection							
Screw	Thread	M8	Tightening torque	2,5-16 mm ²	3 Nm	Stripping length L	15 mm
	SW	4		25-35 mm ²	6 Nm		
				-	-		
				-	-		
				Max. Wire cross section		35 mm ²	







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 mm ²	2,5 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²	The specified max. amount of conductors refers only to industrially installed terminals.	
-	3 (1)	3 (1)	3 (1)	2 (1)	1 (1)	1 (1)	-		
				70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²
				-	-	-	-	-	-