OUNEVA GROUP

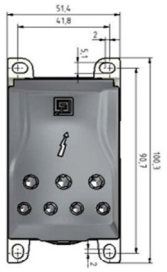
INSTALLATION GUIDE
27.1.2025

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	US specific		
					$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VG03-0007	OJL-connector 400 C	380 A	600 A	1000 V	-	-	-
VG03-0035	OJL-connector 400 C Blue	380 A	600 A	1000 V	-	-	-
VG03-0036	OJL-connector 400 C Green	380 A	600 A	1000 V	-	-	-
VG03-0008	OJL-connector 400 C S	380 A	600 A	1000 V	-	-	-

Installation

Certification and approval



CE RoHS FI

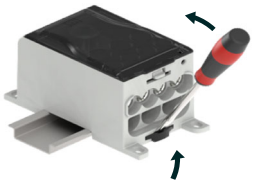
DIN-rail and screw mounting (4xM5)



Mounting with a screw
Max. Ø 5



DIN-rail mounting
Set the connector on a DIN-rail. Push until connector locks down.



Removing from DIN-rail
Release the slider part with a screwdriver. Lift the connector.



Sealing (VG03-0008)
It is possible to seal the cover after connecting the conductors.

Connection

Screw



$Screw_S$	**M16**
SW_S	**8**
$Screw_{H1}$	**M8**
SW_{H1}	**4**
$Screw_{H2}$	**M10**
SW_{H2}	**5**

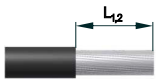
Tightening torque **M**

M_S	95-240 mm²	**25 Nm**
M_{H1}	2,5-35 mm²	**6 Nm**
M_{H2}	6-50 mm²	**10 Nm**

Conductor range	**1xAl/Cu 95-240/ 3xCu(6-50 mm²)/ 4xCu(2,5-35mm²)**
Max. Input conductor size	**240 mm²**
Max. Output conductor size	**50 mm²**

Stripping length **L**

(Input) **L1**	**30 mm**
(Output) **L2**	**16 mm**



Copper conductors

Max. 3 X CU / Conductor contact space



≤ 240 mm² total

Aluminium conductors

1 X AL / Conductor contact space



Anti-corrosion paste: e.g. Penetrox

Supported IEC 60228 -conductors



Class 5 & 6 (fine stranded) Using ferrule is recommended

Class 1 & 2 (solid and stranded)

Sector shaped cable



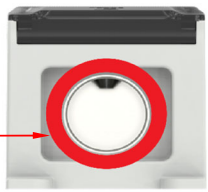
Pre-round the cable

Conductor installation

Connect the **input** conductor when cover is open. Can be used for both copper- or aluminium conductors. Note!
The Aluminium conductor is allowed only one conductor/one input contact space.
With the Al-conductors, it's recommended to use anti-corrosion paste. (i.e. Penetrox)
Remove any layer of oxide by brushing.
We recommend a ferrule when using a fine-stranded conductor.

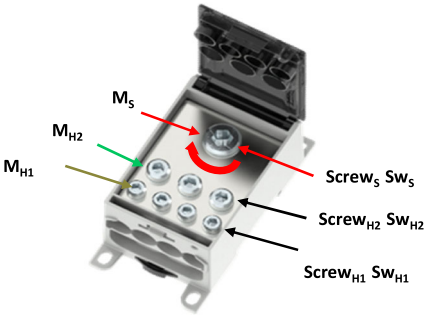


AL/CU 1x 95-240 mm²
Input S_1



CU 4x 2,5-35 mm²
Output H_1
Output H_2
CU 3x 6-50 mm²





The branching conductors **H1** and **H2** can be connected also when the cover is closed (Excluding VG03-0008).
Note! It's allowed use only Cu-conductors for branching. Ferrules recommended to use.
Support connector during tightening the screws.
Connector must be installed so that conductors are relieved from strain.

Cross-section of conductors and max. number of conductors/ space (for Cu-conductors). (S / H1 / H2)

1,5 mm²	2,5 mm²	6 mm²	10 mm²	16 mm²	25 mm²	35 mm²	50 mm²
-	**0/3/0**	**0/3/3**	**0/3/3**	**0/2/3**	**0/1/2**	**0/1/1**	**0/0/1**

The specified max. amount of conductors refers only to industrially installed terminals.

70 mm²	95 mm²	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²	400 mm²
-	**2/0/0**	**2/0/0**	**1/0/0**	**1/0/0**	**1/0/0**	-	-

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