OUNEVA GROUP

INSTALLATION GUIDE

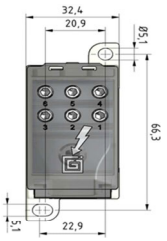
27.1.2025

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	US specific		
					$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VG03-0006	OJL-connector 200	160 A	200 A	1000 V	-	-	-
VG03-0031	OJL-connector 200 Blue	160 A	200 A	1000 V	-	-	-
VG03-0032	OJL-connector 200 Green	160 A	200 A	1000 V	-	-	-

Installation

Certification and approval



CE RoHS FI

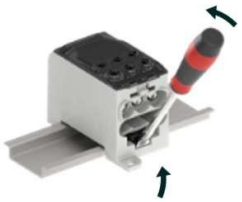
DIN-rail and screw mounting (2xM5)



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.

Connection

Screw

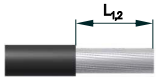


Screw $_S$	**M10**
SW_S	**5**
Screw $_{H1}$	**M6**
SW_{H1}	**3**
Screw $_{H2}$	**M6**
SW_{H2}	**3**

Tightening torque **M**			
	M_s	50-70 mm²	**10 Nm**
	M_S	25-35 mm²	**6 Nm**
	M_{H1}	2,5-16 mm²	**3 Nm**
	M_{H2}	2,5-16 mm²	**3 Nm**
Conductor range			**1xAl/Cu (10-70mm²)/ 6x(2,5-16mm²)**
Max. Input conductor size			**70 mm²**
Max. Output conductor size			**16 mm²**

Stripping length **L**

(Input) **L1**	**20 mm**
(Output) **L2**	**12 mm**



Copper conductors

Max. 3 X CU / Conductor contact space



≤ 70 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

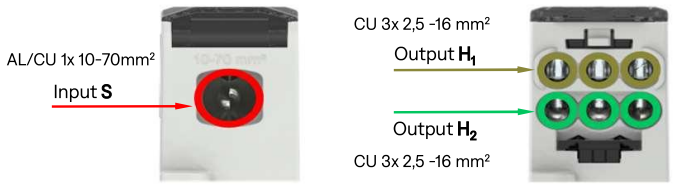


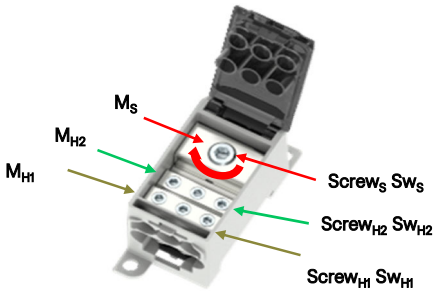
Pre-round the cable

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 brass or steel brush.
We recommend a ferrule when using a fine-stranded conductor.







The branching conductors **H1** and **H2** can be connected also when the cover is closed.
Notel It's allowed use only Cu-conductors for branching. End sleeves 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 / 3**	**0 / 2 / 2**	**3 / 1 / 1**	**3 / 1 / 1**	**2 / 0 / 0**	**2 / 0 / 0**	**1 / 0 / 0**

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
1 / 0 / 0	-	-	-	-	-	-	-

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