

Product data								
Product code	Product name	$I_{n Al}$	$I_{n Cu}$	U_n	US specific			
					$I_{max Al}$	$I_{max Cu}$	U_{max}	
VG03-0052	OJL connector 135	120 A	135 A	1000 V	-	-	-	-
VG03-0053	OJL connector 135 Blue	120 A	135 A	1000 V	-	-	-	-
VG03-0054	OJL connector 135 Green	120 A	135 A	1000 V	-	-	-	-
VG03-0065	OJL connector 135 Grey PA66	120 A	135 A	1000 V	-	-	-	-
VG03-0066	OJL connector 135 Blue PA66	120 A	135 A	1000 V	-	-	-	-
VG03-0067	OJL connector 135 Green PA66	120 A	135 A	1000 V	-	-	-	-

Installation

Certification and approval

Din rail and 2x screw (M5) mounting

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	Tightening torque M	Supported IEC 60228 -conductors		Stripping length L	
			Max. Input conductor size	Max. Output conductor size		(Input) L1
	Screw ₁ SW ₁	M8 6	M_{S1}	25-35 mm ²	6 Nm	16 mm
	Screw ₂ SW ₂	M6 3	M_{S1}	2,5-16 mm ²	3 Nm	13 mm
	Screw ₃ SW ₃	M6 3	M_{H1}	2,5-16 mm ²	3 Nm	
			$M_{S1} / M_{S2} / M_{H2}$	2,5-10 mm ²	3 Nm	
			Conductor range	IN 1x(Al/Cu) 2,5-35 mm ² / 1x (Al/Cu) 2,5-10 mm ² OUT: 4x (Cu) 2,5-16mm ² / 2x (Cu) 2,5-10 mm ²		
			Max. Input conductor size	35 mm²		
			Max. Output conductor size	16 mm²		
Copper conductors	Aluminium conductors					Sector shaped cable
Max. 3 X CU / Conductor contact space ≤ 35 mm ² total	1X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox		Class 5 & 6 (fine stranded) Using ferrule is recommended			Pre-round the cable
			Class 1 & 2 (solid and stranded)			

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.

AL/CU 1x 2,5-35 mm²
Input S₁

AL/CU 1x 2,5-10 mm²
Input S₂

CU 2x 2,5-10 mm²
Output H₂

Output H₁

CU 4x 2,5-16 mm²

M_{S2}
Screw₂ SW₂
 M_{H1}
 M_{H2}
 M_{S1}
Screw₁ SW₁
Screw₃ SW₃

The branching conductors **H1, H2, H3** and **H4** can be connected also when the cover is closed.

Note! 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). (S1 / S2 / H1 / H2)

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 / 3 / 3 / 3	3 / 1 / 1 / 2	3 / 1 / 1 / 1	2 / 0 / 0 / 1	1 / 0 / 0 / 0	1 / 0 / 0 / 0	-	
			70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ² 300 mm ² 400 mm ²