

Product data											
Product code	Product name	I _{nAl}	I _{n Cu}	U _n	US specific						
					I _{max Al}	I _{max Cu}	U _{max}				
VG03-0003	OJL-connector 280	250 A	280 A	1000 V	-	-	-				
VG03-0033	OJL-connector 280 Blue	250 A	280 A	1000 V	-	-	-				
VG03-0034	OJL-connector 280 Green	250 A	280 A	1000 V	-	-	-				

Installation

(EROHS (F)

Certification and approval



Mounting with a screw Max. Ø 5



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



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

Connection Screw _S M14 Screw Tightening torque **M** 95-120 mm² 19 Nm Stripping length **L** SWs (M₈/M_{H1}/M_{H2}/M_{H3}/M_{H4}) 50-70 mm² 10 Nm (Input) L1 26 mm М6 25-35 mm² 6 Nm (Output) L2 12 mm Screw H1 ${\rm SW}_{\rm H1}$ 2,5-16 mm² 3 Nm Screw H2 М8 1xAl/Cu (35-120mm²)/ 2x(6-35 mm²)/ 5x(2,5-16mm²)/ 4x(2,5-10mm²) Conductor range 120 mm² $SW_{\rm H2}$ Max. Input conductor size 35 mm² Max. Output conductor size Aluminium conductors Copper conductors Supported IEC 60228 -conductors Sector shaped cable

Max. 3 X CU / Conductor contact space

≤ 120 mm² total

1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox

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

Class 1 & 2 (solid and stranded)

DIN-rail and screw mounting (2xM5)







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.

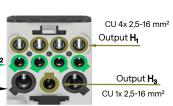
With the Al-conductors, it's recommended to use anti-corrosion paste. (i.e. Penetrox)

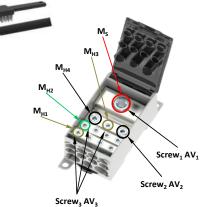
Remove any layer of oxide by brass or steel brush.

We recommend a ferrule when using a fine-stranded conductor.









The branching conductors H1, 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). (S / H1 / H2 / H3 / H4)													
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		int of			
-	0/3/3/3/0	0/2/1/2/3	0/1/1/1/3	0/1/0/1/2	0/0/0/0/1	3/0/0/0/1	2/0/0/0/0	conductors refers only to					
	industrially installed terminals.												
			70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²			
			1/0/0/0/0	1/0/0/0/0	1/0/0/0/0	-	-	-	-	-			

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