

Product data							
Product code	Product name	$I_{nAl}$	$I_{nCu}$	$U_n$	US specific		
					$I_{maxAl}$	$I_{maxCu}$	$U_{max}$
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**

Certification and approval	DIN-rail and screw mounting (2xM5)		
	<p><b>Mounting with a screw</b> Max. Ø 5</p>	<p><b>DIN-rail mounting</b> Set the connector on a DIN-rail. Push until connector locks down.</p>	<p><b>Removing from DIN-rail</b> Release the slider part with a screwdriver. Lift the connector.</p>

**Connection**

Screw	Screw $S_s$	Tightening torque $M$	Conductor range	Stripping length $L$
	<b>M14</b>	$(M_s/M_{H1}/M_{H2}/M_{H3}/M_{H4})$	95-120 mm <sup>2</sup>	19 Nm
	<b>6</b>		50-70 mm <sup>2</sup>	10 Nm
	<b>M6</b>		25-35 mm <sup>2</sup>	6 Nm
	<b>3</b>		2,5-16 mm <sup>2</sup>	3 Nm
	<b>M8</b>		1xAl/Cu (35-120mm <sup>2</sup> )/ 2x(8-35 mm <sup>2</sup> )/ 5x(2,5-16mm <sup>2</sup> )/ 4x(2,5-10mm <sup>2</sup> )	
	<b>4</b>		120 mm <sup>2</sup>	
			35 mm <sup>2</sup>	
Supported IEC 60228 -conductors				<p>(Input) L1 <b>26 mm</b> (Output) L2 <b>12 mm</b></p>
<b>Copper conductors</b>	<b>Aluminium conductors</b>	<b>Supported IEC 60228 -conductors</b>		<b>Sector shaped cable</b>
Max. 3 X CU / Conductor contact space <p>≤ 120 mm<sup>2</sup> total</p>	1 X AL / Conductor contact space Anti-corrosion paste: e.g. Penetrox 	<p>Class 5 &amp; 6 (fine stranded) Using ferrule is recommended Class 1 &amp; 2 (solid and stranded)</p>		<p>Pre-round the cable</p>

**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 <sup>2</sup>	2,5 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	The specified max. amount of conductors refers only to industrially installed terminals.							
-	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								
								70 mm <sup>2</sup>	95 mm <sup>2</sup>	120 mm <sup>2</sup>	150 mm <sup>2</sup>	185 mm <sup>2</sup>	240 mm <sup>2</sup>	300 mm <sup>2</sup>	400 mm <sup>2</sup>
								1/0/0/0/0	1/0/0/0/0	1/0/0/0/0	-	-	-	-	-