


**Product information**

Product code	Product name	I <sub>n Al</sub>	I <sub>n Cu</sub>	U <sub>n</sub>			
VC02-0126	Pole branching connector kit 3-pole 400 V TN	145 A	135 A	1000 V			

**Installation**

Type	On cable
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The sector cable must be shaped round before installation. Pre-shaping with transfer jaw pliers before removing the insulation or with rounding jaws after removing the insulation.


Remove the insulation from the cable. See peeling length L from the table below.

Remove any oxide layer by brushing with a wire brush.

Use a protective grease (e.g. Penetrox) and brush the grease on the contact surfaces of the conductor.

The connectors are pre-lubricated with joint grease.

The installation must always be done in accordance with the international standard in compliance with national


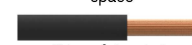
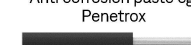

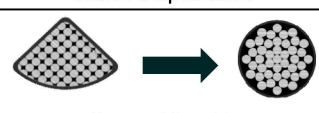


Open the housing with for example flat-bladed screwdriver.

Close with light press after connection.

**CE RoHS**

**Connection**

	<b>Screw 1</b>	<b>M10</b>	Tightening torque	1,5-6 mm <sup>2</sup> (M6)	<b>2 Nm</b>	Stripping length L	<b>16 mm</b>
	<b>SW</b>	<b>5</b>		2,5-16 mm <sup>2</sup> (M10)	<b>3 Nm</b>		
	<b>Screw 2</b>	<b>M6</b>		25-50 mm <sup>2</sup> (M10)	<b>8 Nm</b>		
	<b>SW</b>	<b>3</b>	VC02-0055 LED input	1,5-2,5 mm <sup>2</sup> (M4 Posidriv)	<b>1 Nm</b>		
	<b>Screw 2 PE</b>	<b>M4</b>					
	<b>SW</b>	<b>Pozidriv</b>	Max. Wire cross section		<b>50 mm<sup>2</sup></b>		
<b>Copper conductors</b>	<b>Aluminium conductors</b>	<b>Supported IEC 60228 -conductors</b>			<b>Sector shaped cable</b>		
Max. 3 X CU / Conductor space  ≤ 35 mm <sup>2</sup> / main input 1,5-6 mm <sup>2</sup> (LED input) 1,5-2,5 mm <sup>2</sup> (LED input PE)	1 X AL / Conductor space Anti corrosion paste eg. Penetrox  ≤ 50 mm <sup>2</sup> / main input	 Class 5 & 6 (fine stranded) Using ferrule is recommended  Class 1 & 2 (solid and stranded)			 Pre-round the cable		

**Installation**

Connector can be used for both **copper- or aluminium** conductors. Connectors are pretreated with connection grease but it's recommended to use additional anti-corrosion paste on the surface of aluminium conductors. (e.g. Penetrox).

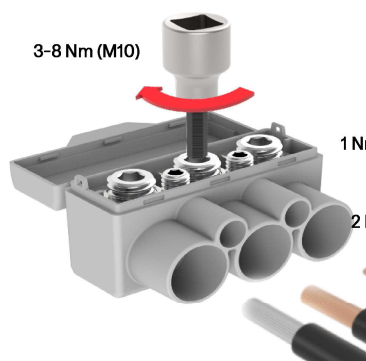
It is allowed to use max. three adjacent cross sectioned conductors per space (Copper conductors). The nominal max. cross section value must not be exceeded.

It is allowed to install only one aluminium conductor per space.

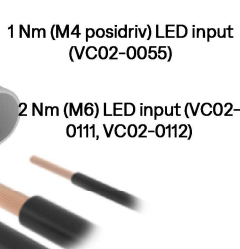
Using ferrule is recommended for fine-stranded conductors.

Sector shaped conductors must be pre-rounded before installation.

Support connector during tightening the screws.




**3-8 Nm (M10)**




**1 Nm (M4 posidriv) LED input (VC02-0055)**  
**2 Nm (M6) LED input (VC02-0111, VC02-0112)**

Connectors should be installed with conductor inputs downwards




**Sealing (Optional, OD01-0078 sealing plug kit needed)**

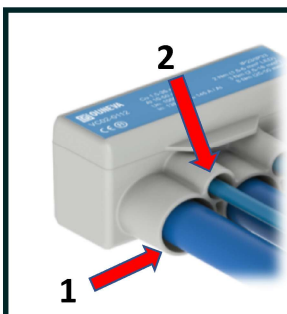



Cut holes to sealing plugs and pull conductors trough (with 2,5 - 16 mm<sup>2</sup> conductors excl. LED input).

Install the conductor into dedicated inputs as mentioned above.

Use intact sealing plugs to fulfill empty connector inputs by pressing sealing plug properly tight. Plug goes inside as described in picture right.







**Note!**  
 IP33 protection class is achieved with a sealing kit OD01-0078. Without sealing kit with ≥25 mm<sup>2</sup> cables in main inputs (1) and 6 mm<sup>2</sup> in LED inputs (2) protection class is IP23.