

Product information							
Product code	Product name	I <sub>n Al</sub>	I <sub>n Cu</sub>	U <sub>n</sub>	Eldon code	Eldon Installation AB	
VC02-0072	Pole branching connector Al 2x50 / Cu 2x35 + 1,5-6 mm <sup>2</sup> Grey	145 A	135 A	1000 V	OPK502G	E 26 754 50	
VC02-0075	Pole branching connector Al 2x50 / Cu 2x35 + 1,5-6 mm <sup>2</sup> Blue	145 A	135 A	1000 V	OPK502N	E 26 754 51	
VC02-0076	Pole branching connector Al 2x50 / Cu 2x35 + 1,5-6 mm <sup>2</sup> Ye/Gr	145 A	135 A	1000 V	OPK502PE	E 26 754 52	

**Installation**

Type	On cable	
	<p>Open the housing with for example flat-bladed screwdriver</p> <p>Close with light press after connection</p>	<p><b>3-8 Nm (M10)</b></p> <p><b>2 Nm (M6) LED input</b></p>
<p><b>Installation</b></p> <p>Connector can be used for both <b>copper- or aluminium</b> conductors. It's recommended to use anti-corrosion paste for aluminium conductors. (e.g. Penetrox).</p> <p>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.</p> <p>It is allowed to install only one aluminium conductor per space.</p> <p>Using ferrule is recommended for fine-stranded conductors.</p> <p>Sector shaped conductors must be pre-rounded before installation.</p> <p>Support connector during tightening the screws.</p>		

**Connection**

Screw	Screw 1	M10	Tightening torque	1,5-6 mm <sup>2</sup> (M6)	2 Nm	Stripping length L	16 mm
	SW	5	<p>Max. Wire cross section</p> <p><b>50 mm<sup>2</sup></b></p>	2,5-16 mm <sup>2</sup> (M10)	3 Nm		
	Screw 2	M6		25-50 mm <sup>2</sup> (M10)	8 Nm		
	SW	3		-	-		

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

<p>Cut holes to sealing plugs and pull conductors trough (with 2,5 - 16 mm<sup>2</sup> conductors excl. LED input).</p> <p>Install the conductors into dedicated inputs as mentioned above.</p>	<p>Use intact sealing plugs to fulfill empty connector inputs by pressing sealing plug properly tight. Plug goes inside as described in picture right.</p>	<p><b>Note!</b> 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.</p>
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**Cross section and max. number of copper conductors / space (aluminium conductors in parenthesis)**

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.		
-	3	3	3	3 (1)	2 (1)	1 (1)	(1)			
			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>

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