

Product Information							
Product code	Product name	I_{nAl}	I_{nCu}	U_n			
VC02-0077	Pole branching connector kit 2-pole 400V TN	145 A	135 A	1000 V			
General							
Type	On cable						
<p>3x </p> <p>1x </p> <p>1x </p> <p>1x </p> <p></p> <p></p> <p>Open the housing with for example flat-bladed screwdriver</p> <p>Close with light press after connection</p>	<p>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.</p> <p>Remove the insulation from the cable. See peeling length L from the table below.</p> <p>Remove any oxide layer by brushing with a wire brush.</p> <p>Use a protective grease (e.g. Penetrox) and brush the grease on the contact surfaces of the conductor.</p> <p>The connectors are pre-lubricated with joint grease.</p> <p>The installation must always be done in accordance with the international standard in compliance with national legislation.</p>			<p></p>			
Connection							
<p>Screw</p> <p></p>	Screw 1	M10	Tightening torque	1,5-6 mm ² (M6)	2 Nm	Stripping length L	16 mm
	SW	5		2,5-16 mm ² (M10)	3 Nm		
	Screw 2	M6		25-50 mm ² (M10)	8 Nm		
	SW	3					
	Max. Wire cross section			50 mm ²			
Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors			Sector shaped cable		
<p>Max. 3 X CU / Conductor space</p> <p></p> <p>≤ 35 mm² / main input 1,5-6 mm² (LED input)</p>	<p>1X AL / Conductor space</p> <p>Anti corrosion paste eg. Penetrox</p> <p></p> <p>≤ 50 mm² / main input</p>	<p>Class 5 & 6 (fine stranded) Using ferrule is recommended</p> <p></p> <p>Class 1 & 2 (solid and stranded)</p> <p></p>			<p></p> <p>Pre-round the cable</p>		
Installation							
<p>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).</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>	<p>Support connector during tightening</p> <p></p> <p>3-8 Nm (M10)</p>	<p>Connectors should be installed with conductor inputs downwards</p> <p></p>	<p></p> <p>2 Nm (M6) LED input</p>	<p></p> <p>2 Nm (M6) LED input</p>	<p></p>		
Sealing (Optional)							
<p></p> <p>Cut holes to sealing plugs and pull conductors trough (with 2,5 - 16 mm² conductors excl. LED input)</p>	<p></p> <p>Put the conductors into dedicated inputs and sealing plugs into empty connector inputs</p>	<p></p> <p>Note! IP33 protection class is achieved with a sealing kit OD01-0078. Without sealing kit with ≥25 mm² cables in main inputs (1) and 6 mm² in LED inputs (2) protection class is IP23.</p>					