


Product information

Product code	Product name	I _{nAl}	I _{nCu}	U _n			
VC02-0086	Pole branching connector kit 2-pole 400V TN	145 A	135 A	1000 V			

General

Type	On cable
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CE RoHS

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.

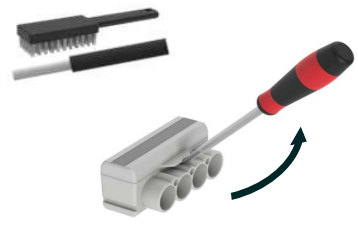
Remove the insulation from the cable. See peeling length L from the table below.

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 legislation.



Open the housing with for example flat-bladed screwdriver

Close with light press after connection

Connection

	Screw 1	M4	Tightening torque	1,5-2,5 mm ² (M4)	1 Nm	Stripping length L	14 mm
	SW	Pozidriv		2,5-16 mm ² (M10)	3 Nm		
	Screw 2	M10		25-50 mm ² (M10)	8 Nm		
	SW	5					
			Max. Wire cross section		50 mm ²		
Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors		Sector shaped cable			
Max. 3 X CU / Conductor space  ≤ 35 mm ² / main input 1,5-2,5 mm ² (LED input)	1X AL / Conductor space Anti corrosion paste eg. Penetrox  ≤ 50 mm ² / 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.

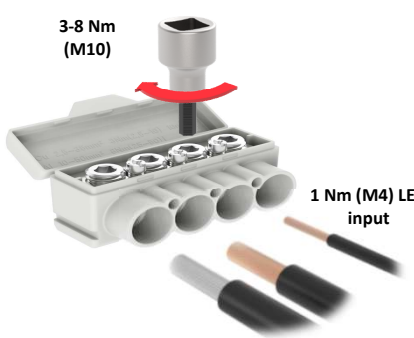
It is allowed to install only one aluminium conductor per space.

Using ferrule is recommended for fine-stranded conductors.

Sector shaped conductors must be pre-rounded before installation.

Support connector during tightening the screws.


Support connector during tightening



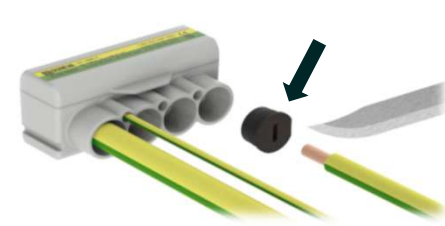
3-8 Nm (M10)

1 Nm (M4) LED input

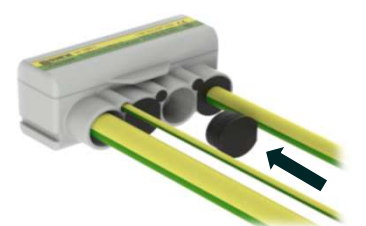
Connectors should be installed with conductor inputs downwards



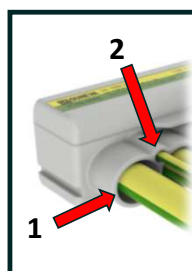
Sealing (Optional)




Cut holes to sealing plugs and pull conductors trough (with 2,5 - 16 mm² conductors excl. LED input)



Put the conductors into dedicated inputs and sealing plugs into empty connector inputs





Note!
IP33 protection class is achieved with a sealing kit. Without sealing kit with ≥25 mm² cables in main inputs (1) and ≥2,5 mm² in LED inputs (2) protection class is IP23.