OUNEVA GROUP

INSTALLATION GUIDE
4.7.2025

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	US specific		
					$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VC05-0548	OTL-connector 5x1xAl/Cu 6-95mm² (Grey)	220 A	245 A	1000 V AC / 1500 V DC	-	-	-

Installation

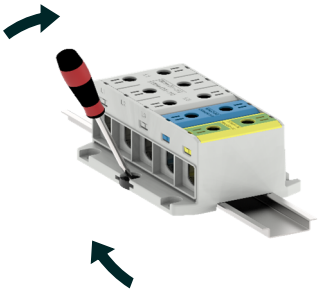
Certification and approval

CE RoHS FI

DIN-rail and screw (M5) mounting

DIN-rail mounting
Set the connector on DIN-rail.
Push until connector locks down.

Screw mounting
Use max. Ø4 mm screw.



Removing from DIN-rail
Release the plastic snap with a screwdriver.
Lift the connector.

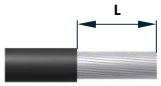
Connection

Screw		
	Screw	**M14**
	SW	**6**

Tightening torque **M**		
6-25 mm² (3-10 AWG)	**12 Nm**	
35-95 mm² (4/0-2 AWG)	**22 Nm**	

Conductor range	**5x1xAl/Cu 6-95 mm²**
Max. Conductor	**95 mm²**

Stripping length **L**	**20 mm**



Copper conductors

Max. 3 X CU / Conductor contact space

≤ 95 mm² total

Aluminium conductors

1 X AL / Conductor contact space

Anti-corrosion paste:
e.g. Penetrox

Supported IEC 60228 -conductors

Class 5 & 6 (fine stranded) Using ferrule is recommended

Class 1 & 2 (solid and stranded)

Sector shaped cable

Pre-round the cable

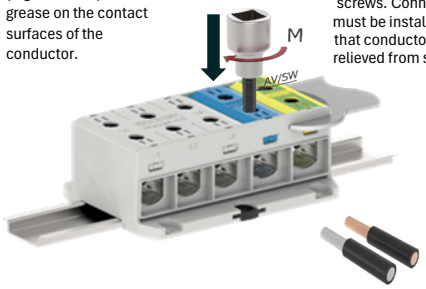
Conductor installation

Remove any oxide layer by brushing with a wire brush.

5-pole connector (L1,L2,L3,N+PE)

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

Support connector during tightening the screws. Connector must be installed so that conductors are relieved from strain.



Marking

5 mm width (Eg. Partex TX)
Compatible terminal shroud OD02-0847

Attention!

Each protective or neutral conductor must have their own conductor space.
SFS 6000-7-729.

Cross section and max. number of Cu- conductors / contact space (Al- conductors in parenthesis)

1,5 mm²	2,5 mm²	6 mm²	10 mm²	16 mm²	25 mm²	35 mm²	50 mm²
-	-	**3 (1)**	**3 (1)**	**3 (1)**	**3 (1)**	**2 (1)**	**1 (1)**

The specified max. amount of conductors refers only to industrially installed terminals.

70 mm²	95 mm²	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²	400 mm²
1 (1)	**1 (1)**	-	-	-	-	-	-

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