OUNEVA
OUNEVA GROUP

INSTALLATION GUIDE
14.5.2024

Product data

Product code	Product name	$I_{n\ Al}$	$I_{n\ Cu}$	U_n	US specific		
					$I_{max\ Al}$	$I_{max\ Cu}$	U_{max}
VC05-0361	OTL PEN-connector 2xAl/Cu 25-150mm² (Ye/Gr/Blue)	290 A	640 A	1000 V AC / 1500 V DC	-	-	-

Installation

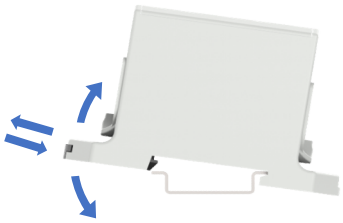
Certification and approval



CE RoHS

DIN-rail and screw (M5) mounting

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



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



Use max. Ø5 mm screw.

Connection

Screw

Screw	M16
SW	6

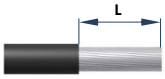


Tightening torque **M**

25-50 mm²	14 Nm
70-150 mm²	30 Nm

Conductor range: **2xAl/Cu 25-150 mm²**

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



Copper conductors

Max. 3 X CU / Conductor contact space



≤ 150 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

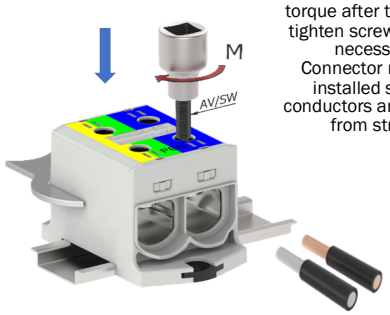
Class 1 & 2 (solid and stranded)

Sector shaped cable



Pre-round the cable

Conductor installation



Support connector during tightening the screws. Ensure the torque after tightening, tighten screws twice if necessary. Connector must be installed so that conductors are relieved from strain.

Marking



5 mm width (Eg. Partex TX)

Attention!



Each protective or neutral conductor must have their own conductor space. SFS 6000:2007 clause 810.7

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)**

70 mm²	95 mm²	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²	400 mm²
2 (1)	**1 (1)**	**1 (1)**	**1 (1)**	-	-	-	-

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

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