OUNEVA GROUP

# INSTALLATION GUIDE

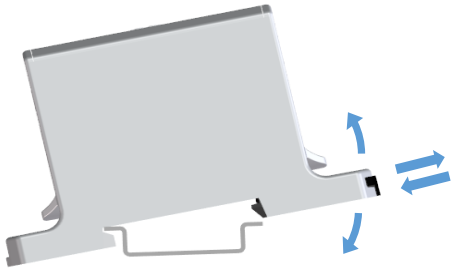
## Product data

| Product code | Product name | $I_{n\ Al}$ | $I_{n\ Cu}$ | $U_n$ | US specific | | |
|---|---|---|---|---|---|---|---|
| | | | | | $I_{max\ Al}$ | $I_{max\ Cu}$ | $U_{max}$ |
| **VC05-0022** | OTL-connector 1xAl/Cu 120mm² (Grey) | 250 A | 280 A | 1000 V | - | - | - |
| **VC05-0023** | OTL-connector 1xAl/Cu 120mm² (Blue) | 250 A | 280 A | 1000 V | - | - | - |
| **VC05-0024** | OTL-connector 1xAl/Cu 120mm² (Yellow/Green) | 250 A | 280 A | 1000 V | - | - | - |
| | | | | | | | |
| | | | | | | | |

## Installation

Type **DIN-rail and screw (M5) mounting**





**DIN-rail mounting**
Set the connector to DIN-rail.
See picture. Push until ”click”
**Removing**
Release the slider and lift connector



**Screw mounting**
Use max. Ø5 mm screw.
See picture .

## Connection

Screw

| | |
|---|---|
| **Thread** | **M14** |
| **SW** | **6** |

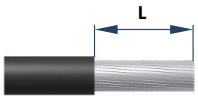


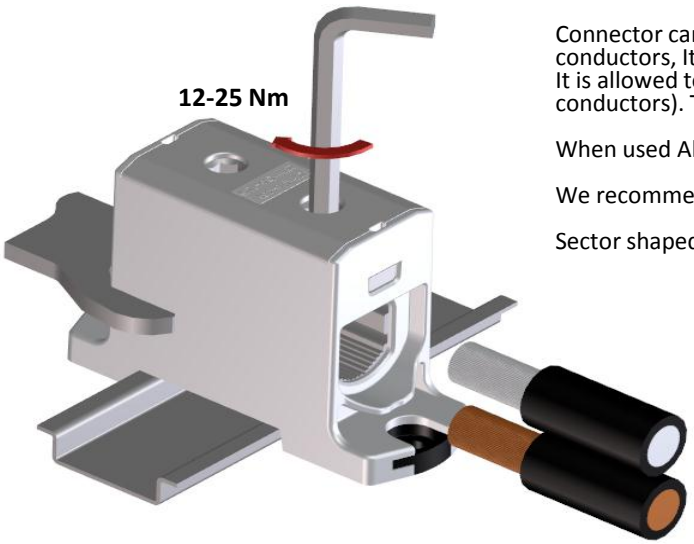

Tightening torque

| | |
|---|---|
| 16-35 mm² | **12 Nm** |
| 50-120 mm² | **25 Nm** |
| - | **-** |
| - | **-** |

Max. Wire cross section **120 mm²**

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




### Installation

Connector can be used for both **copper- or aluminium conductors**. With the Al-conductors, It's recommended to use anti-corrosion paste. (e.g. Penetrox).
It is allowed to use max. of three adjacent cross sections in one space (Copper conductors). The nominal max. cross section value must not be exceeded.

When used Al-conductors, it is allowed to use only one conductor/space.

We recommend a ferrule when using a fine-stranded conductor.

Sector shaped conductors must be pre-rounded before installation.

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 / 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)** | **2 (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)** | **1 (1)** | - | - | - | - | - |