

_Grounding for AUX-ODU-INJ-G

AUX-ODU-INJ-G is an optional accessory, which may be used to connect third-party DC power sources to the ODU (for example, to power the unit from solar power or wind power sources).

AUX-ODU-INJ-G should be properly assembled, mounted and grounded.

AUX-ODU-INJ-G Mounting

AUX-ODU-INJ-G can be can be installed on a pole, using hose clamps (2). Attach the grounding cable (min cross-section 2.5 mm²) to the case, using grounding bolt (3).

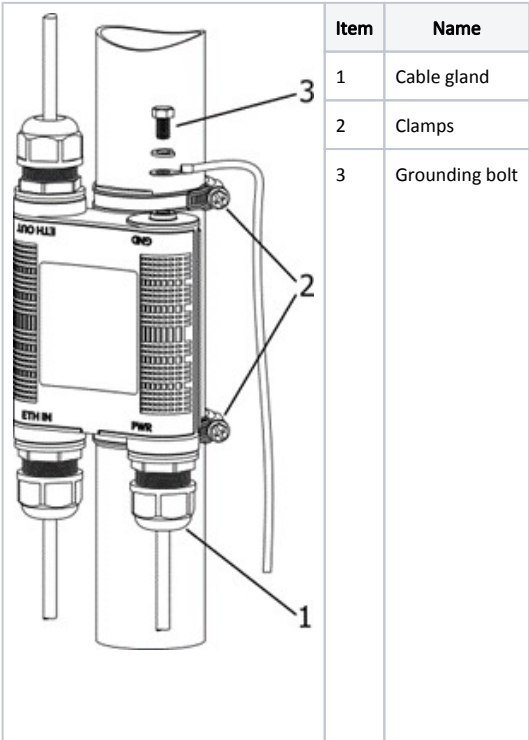


Figure - AUX-ODU-INJ-G Assembly Scheme



CAUTION

Missing or bad grounding may leave the unit vulnerable to lightning damage.

AUX-ODU-INJ-G Cable Gland Assembly

In order to ensure that the cable gland remains sealed under any environmental conditions, please, follow the assembly sequence according to procedure below:

- 1) Put the cable gland nut (1), the split sealing grommet (2) and the cable gland threaded coupling (3) onto the cable FTP Cat5e
- 2) Crimp the connector onto the cable using the crimping tool:



CAUTION

Make sure that the connector is well crimped. A loose connector can damage the device. Please note that such damage is not covered by the warranty.

- For connection to "ETH IN" terminate the cable with the unshielded RJ-45 connector (4) according to the EIA/TIA-568B
- For connection to "ETH OUT" terminate the cable with the shielded RJ45 connector (5) according to the EIA/TIA-568B (to provide grounding circuit)
- For connection to "PWR" terminate a cable with the power connector (6).



NOTE

Allowed to use a pre-crimped cable with RJ-45 connectors.

- 3) Insert the connector of the pre-terminated cable into the corresponding socket until you hear a click.
- 4) Screw the cable gland threaded coupling (3) into the port and tighten it. Do not apply excessive force.
- 5) Tighten the sealing grommet (2) by the cable gland nut (1). Do not apply excessive force.

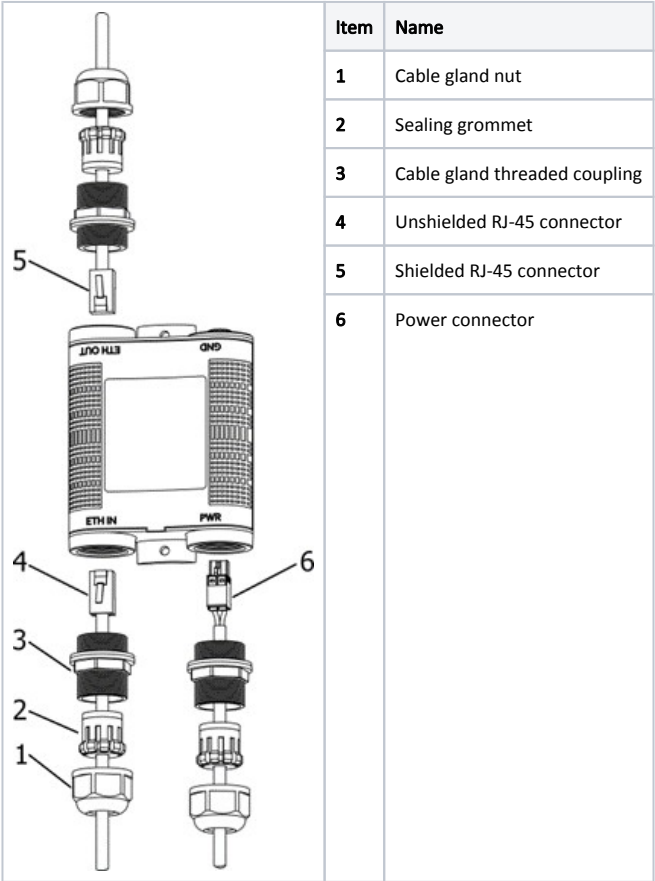


Figure - AUX-ODU-INJ-G Cable Gland Assembly

Power connector scheme is below

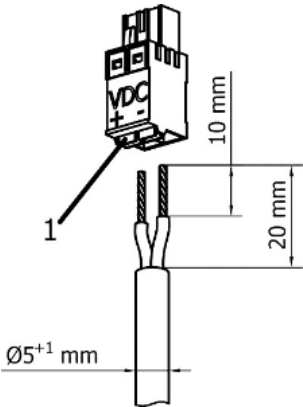


Figure - AUX-ODU-INJ-G power connector

Follow requirements:

Title

1. Press on these catchers (1) when the cable is terminated;
2. Use the round cable with diameter from 5mm to 6mm with conductor cross-section from 0.5mm to 2.5mm;
3. FTP Cat5e cable may be used.

AUX-ODU-INJ-G Grounding Scheme

The grounding and lightning protection initial procedures when using AUX-ODU-INJ-G are similar to those when using regular IDU.

