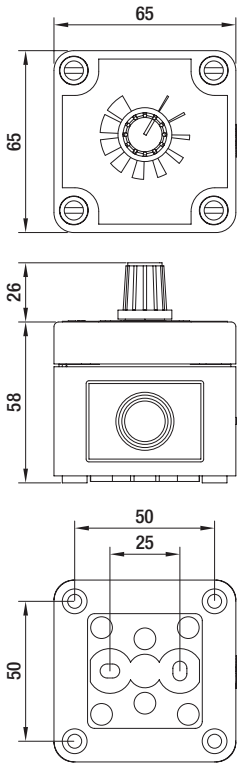
# Speed setting device

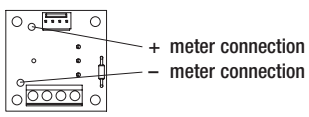
with housing

- **Material:** Housing made of plastic
- **Type of protection:** IP 54
- **Design:** The speed setting device can be operated with the entire range of ebm-papst EC fans. It is supplied with current via the fan's DC output and supplies a 0-10 V signal that allows infinitely variable open loop speed control. The control also permits fan speed measurement using a multimeter equipped with a frequency meter (for which a tach output is given from the fan).
- **Cable inputs:** 4 x M16 or M20
- **Mounting holes:** Suitable for 4 mm mounts

| Nominal data | Supply voltage | Max. current draw | Resistance | Perm. amb. temp. | Mass |
|---|---|---|---|---|---|
| **Type** | **VDC** | **mA** | **kΩ** | **°C** | **kg** |
| **CLC 000-AE04 -01** | 10 | 1.1 | 0-10 Lin | 50 | 0.10 |

subject to alterations




- **Speed measurement:** Connect a frequency meter to the connection points (labelled + and -) on the PCB board. The fan has an output of 1 pulse per revolution, so that the measured frequency can be converted into rpm using the following equation:

  rpm = frequency (Hz) x 60
- **Comment:**
  - A single controller can be used to control multiple fans with the same speed setting.
  - The connection to the controller is made using four screw connections or one Molex connection (adaptor lead available).
  - If the tach cable is required, this device can only be connected to one fan. Note that in rare operating cases, it is possible that permanent connection of the tach cable can cause a slight decrease in the maximum speed.



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– **Electr. connection:**