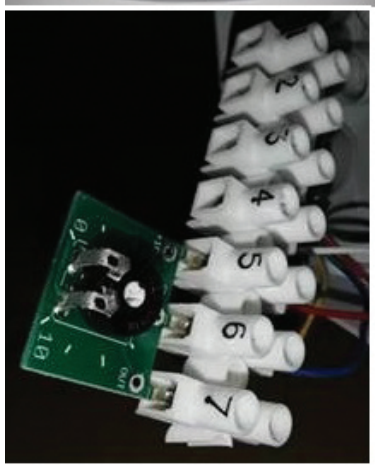
BCS-ECP

- Duct fans
- Circular
- Powder coated sheet steel
- Centrifugal
- EC 230 V



Duct fans with EC-motor + integrated potentiometer type BCS-ECP

Centrifugal duct fan with an EC motor EBM Papst with integrated potentiometer

Application

- **BCS-EC** fans are designed to be built-in in circular ducts
- They are used for ventilation in many applications such as offices, restaurants, technical rooms or other

Composition

- Backward curved impeller made of plastic (EBM Papst)
- EC-motor (EBM Papst) 230 V ca 1ph, speed controllable by means of a 10k Ohm potentiometer or a external signal 0-10V Vdc, protection class IP54, insulation class B
- Integrated automatic thermal contact with automatic restart, locked-rotor protection, softstart
- Maintenance-free, long-life ball bearings
- Sheet steel housing powder coated RAL 7035
- Junction box IP54 with cable gland
- Mounting bracket included
- With integrated potentiometer for an unique adjustment

Accessories

- Potentiometer, type **MTP010**
- 3-speed operation switch 0-10V, type **MSS-D**
- Clamping strip, type **BMK**
- Safety grille, type **BSV**

Text for tender

- The fans shall be of the centrifugal in-line duct type with backward curved impeller and with external 230V rotor motor with thermal protection. IP54, class F, junction box IP54. Sheet steel housing powder coated RAL 7035. The maximum working temperature shall be 55°C to 80°C, depending on the model.

A potentiometer is integrated in the connection box for one-off measurement of the flow. If you want to adjust the flow from a distance, you must also provide the **MPT010** potentiometer option, the cabling of which must be done on the construction side.

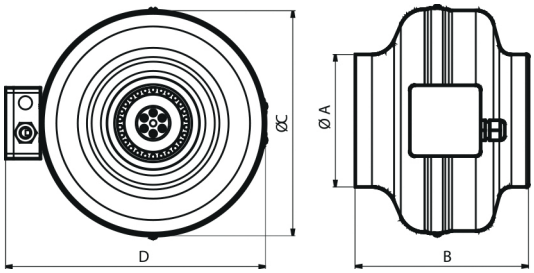
- **ATC** type **BCA**.

Order example

BCS-ECP250 + MTP010

- **BCS-EC** = type of fan
- **250** = diameter
- **MTP010** = potentio-meter

- SC_P = Potentiometer 0-10V
- η_t = Maximum total efficiency
- t_m = Maximum air temperature
- t_u = Maximum ambient temperature
- t_o = Minimum operating temperature
- Lwa 2 = Casing sound power level
- Lwa 5 = Sound power level @inlet
- Lwa 6 = Sound power level @outlet
- The sound power levels are measured according to DIN 45635



Wiring diagram