

# Safety data sheet for AC / DC compact fans

**EN**

This safety data sheet refers to the possible hazards that can occur when using the product. Safety instructions must always be heeded.

The detailed technical data and the operating instructions for the AC/DC compact fans are available on [www.ebmpapst.com.au](http://www.ebmpapst.com.au) for viewing and downloading.

If you require any more information about operation or installation of ebm-papst products please contact us.

**Proper use**

The product is to be used as a built-in device for moving air according to the technical data.

**Personnel qualifications**

Only trained, qualified technical staff are allowed to install the product, proceed with a trial run and perform work on the product. Furthermore, the technical staff must be familiar with and abide by the regulations valid in the specific country.

**Safety**

**1. Electrical safety**



**Risk of fatal injury from electric shock!**

Installation and maintenance work carried out under live voltage cause severe to fatal injuries.

- ← Before working on the product, switch off the power supply and protect it from being reconnected unintentionally. Only connect the product to circuits that can be switched off with an all-pole separating switch.

**Electrical safety for DC compact fans only**



**Product damage from high voltage!**

The products work in the low-voltage range. Excessive voltage can damage the product.

- ← Only use PELV (protective extra-low voltage) circuits as per IEC 60204-1 for the power supply.

**2. Electromagnetic radiation**



**Risk of fatal injury from electromagnetic radiation!**

The product is installed in systems in which electrical and electromagnetic components are used. These influence cardiac pacemakers, metallic implants or hearing aids, and cause severe injuries.

- ← People using a cardiac pacemaker, metallic implants or a hearing aid must keep away from the nearer vicinity of the product.
- ← Ensure the EMC compatibility of the whole system.

**3. Mechanical safety**



**Risk of injuries from rotating fans!**

Rotating fans or fan wheels can cause cutting injuries.

- ← Do not stay in the danger zone of the product.
- ← Do not wear any loose or hanging clothing or jewellery while working on moving parts.
- ← Protect long hair with a hair net.
- ← Only carry out work when the system / machine is at a standstill.

**Connection and commissioning**

**1. Automatic start-up**



**CAUTION**

**Risk of injuries during automatic start-up!**

The product is a built-in device and does not have an electrical disconnecting switch. Once the power supply has been switched on, the motor with the fan wheel starts up automatically.

- ← Only connect the product to circuits that can be switched off with an all-pole separating switch. After switching off the power supply, protect the product from being reconnected unintentionally.

**Operation**

**1. Hot surface**



**CAUTION**

**Risk of burning from high temperatures on housing parts!**

Hot housing parts can cause burns.

- ← Ensure sufficient protection against accidental contact.

**Picture symbols**

The following pictograms are used as hazard warnings on the ebm-papst products and/or packagings.



Warning of rotating fan blade

**Personal protective equipment**

To avoid cutting injuries and injuries from parts falling down, the following personal protective equipment must be used when taking the product out of the packaging:



Safety gloves



Safety boots

The use of ESD protective equipment during installation is explicitly recommended to prevent damage to electronic components.



ESD protective equipment



**NOTICE**

Download the detailed technical specifications and the operating instructions for the AC / DC compact fans from [www.ebmpapst.com.au](http://www.ebmpapst.com.au) or with the QR code shown here:

