



## Press Release

**SPS/IPC/Drives 2016 in Nuremberg**

### **Intelligent solutions from ebm-papst**

**The SPS/IPC/Drives 2016 in Nuremberg is the leading trade fair for electrical automation, systems and components. ebm-papst will be at the fair from 22-24 November 2016 presenting solutions for automation tasks and air conditioning in hall 1, stand 1-448.**

#### **New drive regulator**

Modern intralogistics applications such as cross-belt sorters, warehouse shuttles or driverless transport systems require innovative electronics solutions. A good example is the new VARIOTRONIC VTD-24.40-K4 drive regulator for position-controlled operation of BLDC motors with marked overload capacity from ebm-papst. With nominal voltages of 24 and 48 VDC, power outputs of up to 1,000 W are possible at a constant current of 40 A. The integrated interface offers comprehensive options for parameterizing and diagnosis.

#### **DC axial fan cools compact power electronics**

In addition, ebm-papst will be presenting the 8300 N construction series at SPS, a fan series that is up to 8 dB(A) quieter than its predecessor. This DC axial fan achieves a flow rate of up to 130 m<sup>3</sup>/h and an increase in pressure of up to 280 pascal within dimensions as small as 80 x 80 x 32 mm. The 8300 N can be used anywhere where highly integrated power electronics need cooling in the tightest installation space.

#### **Patented diaphragm protects DC centrifugal fan**

The fan specialists from ebm-papst have developed a RadiCal DC centrifugal fan with a special patented diaphragm to protect electronic components in centrifugal fans against corrosion and thus failure even in environments subject to frequent fluctuations in temperature and humidity. The housing is hermetically sealed and has no problem withstanding even highly dynamic changes in temperature between -40°C and up to +70°C. RadiCal DC centrifugal fans are used in IT base stations for example. These permit mobile communication all over the world.

In addition to this product highlight, we will also be presenting other innovative and proven motor and ventilation solutions from ebm-papst at SPS/IPC/Drives for you to see.

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Fig. 1: Economical and quiet, the new 8300 N fan series.



Fig. 2: The DC axial fan 8300 N can be used anywhere where highly integrated power electronics need cooling, e.g. IT.



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<b>Photos</b>	ebm-papst
<b>Characters</b>	approx. 2,100, with headings and sub-headings
<b>Keywords</b>	DC centrifugal fan, compact fan, BLDC motor
<b>Tags</b>	Intralogistics, drive solutions, electronics cooling, DC centrifugal fan, RadiCal, axial fan
<b>Link</b>	<a href="http://www.ebmpapst.com/radical">www.ebmpapst.com/radical</a>

#### About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded, the technology company has continuously set global market standards. Developments have ranged from electronically controlled EC fans, through aerodynamic improvements of fan blades, and on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2015/16, the company achieved sales of almost €1.7 billion. ebm-papst employs approximately 12,500 people at 18 production sites (in Germany, China, the United States and elsewhere) and in 57 sales offices worldwide. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automobiles and drive engineering.