

DIZ Doepke-Info-Zeitung

The free customer newsletter from Doepke Schaltgeräte GmbH



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Trade fair highlights 2022

The year is drawing to a close and the final quarter has once again seen plenty of trade fair action. The first port of call was **Light + Building** in Frankfurt. Due to the trade fair being scheduled around the holiday marking the anniversary of German reunification on 3 October, the low number of exhibitors and the proximity of the date to the big regional trade fairs, expectations for the world's leading trade fair were somewhat subdued in the run-up to this year's event. However, this only served to increase the enthusiastic feedback from everyone after the fair had finished. There was a lot of interest in our stand and we were able to hold many enlightening discussions with interested visitors and customers alike. We are sure that our bright and airy stand helped contribute to the welcoming atmosphere for all those attending, some of whom even returned for a second visit towards the

evening. We not only received overwhelmingly positive feedback on our new products, but we were also able to soak up a lot of the atmosphere ourselves and gain plenty of insight into the current industry trends. Then at the start of November, it was straight to **belektro** and **SPS**. Even before Light + Building, some major retailers had announced that they would not be going to Frankfurt, opting to visit the big regional trade fairs instead. In light of this both Doepke stands, in Berlin and also in Nuremberg, were very well attended, even though both fairs took place at the same time this year. Once again, everyone in attendance was convinced that trade fairs for the industry are an indispensable forum for making contacts and interacting.

The grand finale for trade fairs this autumn followed in mid-November at **GET Nord** in Hamburg. All expectations in terms of

visitor numbers were once again exceeded and the response from customers and visitors to our stand and our products was extremely enthusiastic.

The digital formats that arose during the pandemic are and will surely remain a useful addition. Our virtual trade fair stand at expo.doepke.de, for example, also gives interested parties the option of accessing all the key information on Doepke innovations free of charge and at any time. However, personal contact and exchange of ideas can never be entirely replaced by the digital platform. That's why we are already looking forward to the trade fairs in Q1 of 2023: **Elektrotechnik** in Dortmund from 8 to 10 February and **eltefa** in Stuttgart from 28 to 30 March. ■

Attractive and efficient lighting without compromise

Saving energy with twilight switches

Energy has become more expensive in recent weeks and months, with gas and electricity prices both affected. Despite various relief packages and promises from politicians, private consumers, municipal authorities and companies are trying to save energy or use it as efficiently as possible.

Lighting is also an important safety factor, particularly during this darker time of year. With this in mind, outside areas, company car parks and access points still need to be well lit wherever possible. Building façades, display windows and landmarks are also often illuminated for aesthetic and safety reasons. Even before the current energy crisis, attempts were made to save power by using LED luminaires. But now increasingly many are opting for a 'lights out' policy. And that is despite the many disadvantages this brings, particularly during the darker months.

However, there is no absolute requirement to do without lighting in outside areas. Efficient use of lighting and smart control of switch-on and switch-off times can reduce energy consumption to a minimum.

Doepke's Dasy, Dasy TC and EDS 16 twilight switches are a smart solution for this kind of energy-efficient light control.

They switch the light on automatically when the daylight is no longer sufficient, and also switch it back off as soon as it becomes light again. The switch-on value can be set, and 1.5x the switch-on value has proven to be about right for brightness-controlled switch-off.

Special sensor technology prevents the Doepke twilight switches from reacting to short-term light and shade influences, such as passing cars, for example.



The Dasy TC twilight switches also have an integrated timer, which can be used to define a fixed deactivation period and switches off the light according to your chosen settings, reducing your energy costs. In the morning, the light is switched back on according to the brightness. This energy-saving function is useful in areas where no or little light is required for a several hours.

The timer functions with to-the-minute precision and can automatically switch between summer and winter time.

The Dasy and Dasy TC twilight switches can be mounted on a wall or a mast in only a few steps and with no hassle.

Thanks to their white or anthracite-coloured housing, they blend harmoniously into any environment.

User friendliness was a top priority for us when developing the Dasy and Dasy TC twilight switches. Once the switch has been set up, no specialist knowledge is required to operate it or adjust the settings. For example, the switch-on threshold can be easily adjusted via an easy-to-reach rotary switch on the underside of the device.

The twilight switches in the EDS 16 series are integrated distribution devices with an external light sensor. They are easy to install in the distributor and can be configured conveniently from there, regardless of where the lighting is located. One light sensor can be used for multiple twilight switches on which individual switch-on values can be set. ■



Residual current protection for PV systems and heat pumps

Safety with the DFS 4 B

With the rise in energy prices, the purchase of photovoltaics systems and heat pumps for private use is becoming more and more appealing, particularly as funding is available for both

from the Federal Office for Economic Affairs and Export Control (Bundesamt für Wirtschaft und Ausfuhrkontrolle, Bafa) and the Reconstruction Loan Corporation (Kreditanstalt für Wiederaufbau, KfW).

When planning this kind of system, residual current protection should also be taken into account, as the installer is responsible for ensuring proper installation.

Many heat pumps and PV systems use pulse width modulation devices, such as frequency converters or other power converters, which

can cause smooth DC residual currents. In this case, the use of AC-DC sensitive residual current circuit-breakers is prescribed by the relevant standards. Type B and B+ residual current operated protective devices such as DFS 4 B detect sinusoidal AC and pulsating residual currents, mixed frequency residual currents not equal to 50 Hz and smooth DC residual currents.

They are therefore referred to as AC-DC sensitive and are the ideal choice for integration in installations that include a PV system or a heat pump. ■



Doepke e.Guard

Successful launch for new sub-brand



Our AI-assisted residual current monitoring system e.Guard has attracted a great deal of interest since being unveiled at Light + Building 2022. It was already apparent in Frankfurt that the space in front of the exhibition board was always full of visitors asking all sorts of questions about our ‘new addition’. This trend also continued at belekro, SPS and GET

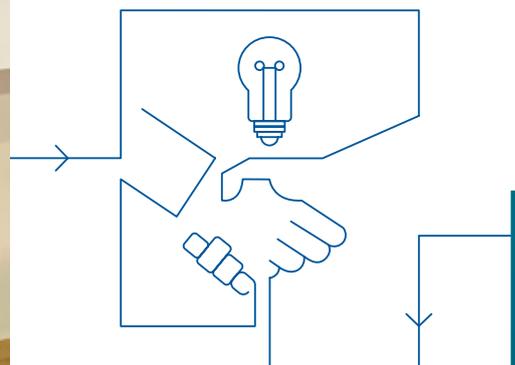
Nord. The specialist press has also showed a keen interest and is spreading the word. Our e.Guard experts Mario Sembritzki, Head of Industrial Sales Promotion, and Andreas Fries, Industrial Sales Promotion South, can therefore look forward to lots of meetings and consultations in the coming weeks.

As well as the wealth of possibilities opened up by e.Guard thanks to its intelligent residual current monitoring, the design of the product and the advertising materials for the new Doepke e.Guard sub-brand are the subject of constant attention.

By way of example, e.Guard has already won a Design Plus Award from Light + Building.



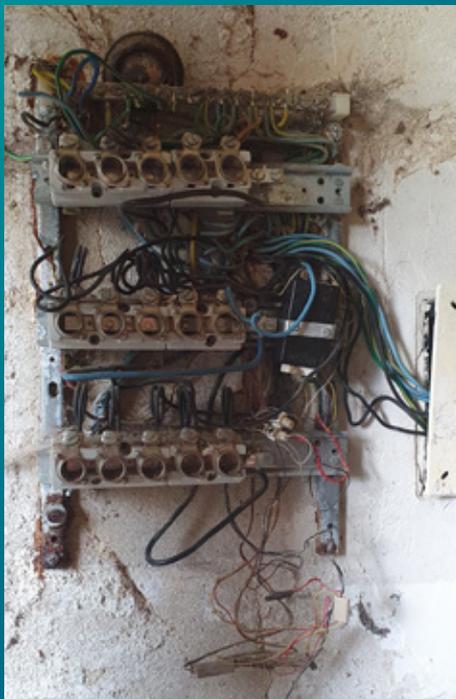
For anyone who has not had the chance to acquaint themselves with e.Guard or who would simply like to know more, there are plenty of options: all the key information on e.Guard can be found at eguard.de. There is also plenty of information on the system on the e.Guard Facebook page www.facebook.com/Doepke.e.Guard. And in the Doepke academy, from 8 December onwards, there are webinars on the topic ‘e.Guard – predictive maintenance via permanent monitoring’, which can be attended live or viewed as a recording: akademie.doepke.de. ■



Our electrical finds

Be it cable chaos, a strange installation or even ‘chindogu’ – the electrical curiosities we encounter have one thing in common: they are out of the ordinary and catch our eye. Chindogu, by the way, is Japanese and means ‘unusual tool’. The term refers to inventions that the world doesn’t really need but finds very amusing. We want to make you stare in amazement, shake your head or laugh out loud by sharing our favourite electrical finds with you in this regular feature.

Even we don’t know what to say about this – a still-operational (at least partly) distribution board in Müllrose in Brandenburg. Many thanks to Michelle Adomeit for the photo.



Do you have an entertaining electrical find to show us? If so, please take a photo of it and send it to us at: kommunikation@doepke.de
Important: We can only consider photos that you have taken yourself. ■

Sabiene’s travels: Sabiene’s Sense of Snow



It wouldn’t be a winter DIZ without snow!, says Sabiene. With this in mind, she travelled to the Zugspitze for us and had her photo taken in front of the snow-covered peak. The Zugspitze, located in the Wetterstein Mountains, stands at 2962 m and is Germany’s highest mountain. Its peak is covered in snow even in the summer and temperatures at the summit rarely climb above 5°C. The first official ascent of the Zugspitze was a good 200 years ago. Today, you can make the journey to the top in a little more comfort in one of three ‘Zugspitzbahn’ railway cars. Many thanks to Stefan Davids for the photo. ■

Doepke talk focuses on EMC

The topic for the Doepke talk in December is EMC – electromagnetic compatibility in electrical systems. As experts, we are delighted to welcome master electrical installer **Frank Müller**, who is in great demand as a specialist, consultant and lecturer in further education, and master electrical engineer **Markus Scholand**, who works as a publicly certified expert in electrical systems, EMC, lightning protection systems and photovoltaic system technology.

For Doepke, **Stefan Davids**, Head of Technical Sales, will be providing information and joining the discussion. Head of Marketing **Johann Meints** will be moderating. The Doepke talk will take place on 14 December between 10:00 and 15:00.

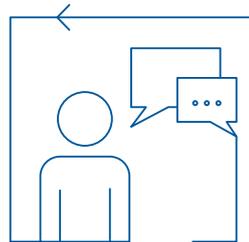
It’s free to attend and you are invited join the discussion and ask any questions you may

have. You can register until shortly before the start of the event and even join while the event is underway. If you can’t spare the time, you have the option of viewing the recording of the Doepke talk at your convenience.

We will of course be happy to answer any questions you may have afterwards.

For all the other information and various recordings of our online seminars and Doepke talks, please see:

akademie.doepke.de. ■



A mole at Doepke

No, this isn’t a report about industrial espionage, but rather a cute intruder who recently appeared in our sales department.

This mole somehow found its way into our sales office. However, quick-thinking colleagues were able to catch him quickly and release him back into his usual habitat, where there are much better digging opportunities. ■



PUBLISHER

Doepke

Schaltgeräte GmbH
Stellmacherstrasse 11
26506 Norden, Germany

@ — info@doepke.de
T — +49 (0) 49 31 18 06-0
F — +49 (0) 49 31 18 06-101

www — doepke.de

QUOTE OF THE QUARTER

*Great things can be achieved
through resistance.*

Reinhold Messner

DATES/NOTES

E-Training in Building Technology Rostock
24 – 26 January 2023

Elektrotechnik Dortmund
8 – 10 February, Hall 3, stand C14

Middle East Energy Dubai
7 – 9 March 2023

Eltefa Stuttgart
28 – 30 March 2023, Hall 8, stand 8C32