

DIZ Doepke-Info-Zeitung

The free customer newsletter from Doepke Schaltgeräte GmbH



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light+building

Image: Winkels Interior Design Exhibition GmbH

Light+Building 2024: Be electrified

The world’s leading trade fair for our industry is back and returning to its normal slot in spring. Following cancellations and postponements in recent years, Light + Building will once again be welcoming visitors from 3–8 March.

We’ve only had 18 months to prepare since the last Light+Building in autumn 2022, so we’ve certainly had our hands full! Especially as the expansion and renovation work at our Norden and Bickenriede locations has been continuing at the same time, including the commissioning of new machines and systems.

Many of our departments, such as Development, Product Management, Production, Sales and Marketing, have been working hard preparing over the last few months so that we

can present our new products and innovations to you at various trade fairs this year.

We are now excited to see what you think of our stand and, of course, our new products! Sustainability is a key topic for us, both for our new products themselves and their presentation. Head to pages 2 and 3 of this DIZ for a sneak peek.

Head straight to our stand at Light + Building in Frankfurt for comprehensive information

and advice, a tour of the stand, and some productive discussions over a cup of East Frisian tea. You can order your free ticket for the event directly from our website, doepke.de – it couldn’t be easier! ■

We look forward to seeing you at our stand A03 in hall 12.1.



Reliable switching-off, easy switch on

DHS FANA for safe experimentation

Our new DHS FANA protects electrical experimental equipment in schools and laboratories, and enables users to easily restore power without the need for trips back and forth to the distribution board. The compact device combines a load circuit breaker, emergency switching-off function and remote drive. In combination with an AC/DC sensitive residual current circuit-breaker, it meets the requirements of DIN VDE 0100-723 for classrooms with experimental equipment. ■

A lifesaver for rescue workers

DPRCD-M – Increased protection for mobile applications

With the DPRCD-M, Doepke has developed a compact module to form a five-pin personal protection switch. It offers full flexibility and is suitable for use in a wide range of mobile distribution boards and installation on mounting rails.

The DPRCD-M combines an AC/DC sensitive residual current protection device with network and protective conductor monitoring. With a rated residual current of 30 mA, it offers reliable personal protection and also

ensures the protective function of upstream residual current circuit-breakers thanks to a 6-mA DC threshold. The DPRCD-M ensures an increased level of protection in mobile applications if sockets in existing electrical installations are used and the upstream protective measure is either unknown or insufficient. Typical applications include the construction sector, events industry and rescue work. ■



New addition to the e.Guard family

We have added two new products to our e.Guard system: an AC/DC sensitive and a mixed frequency sensitive residual current monitor for DIN rail mounting. The e.Guard RCM F 025 detects sinusoidal

AC residual currents and pulsating DC residual currents as well as those with mixed frequencies in seven frequency ranges. The AC/DC sensitive e.Guard RCM B 025 also detects smooth DC residual currents. For more

information, visit our stand A03 in hall 12.1 at Light+Building 2024 or our websites eguard.de and doepke.de. ■



Residual current protection for the energy transition

What's new for 2024

With the expansion of renewable energy, the demand for photovoltaic systems and heat pumps has grown worldwide. The charging infrastructure for electromobility is also continually being expanded.

Technologies for the sustainable generation and use of energy also need future-proof strategies for residual current protection. With this in mind, we have developed a new range of residual current circuit-breakers specifically for

the requirements of photovoltaic systems, heat pumps and electromobility. For sustainable safety. ■

DFS PV –
residual current protection for photovoltaic systems



The new DFS PV was specially developed for use in photovoltaic systems.

AC/DC sensitive residual current devices are generally a legal requirement for electrical systems with a PV power supply system. The only exceptions are where manufacturers of the PV system or the connected inverters allow otherwise.

Since inverters are used in photovoltaic systems, which can cause DC residual currents, Doepke recommends AC/DC sensitive residual current devices for all PV installations.

Thanks to its PV-optimised slow-blow, the AC/DC sensitive DFS PV is resistant to surge currents. It therefore offers higher system availability by reducing faulty tripping.

The DFS PV also has a special design that ensures reduced power loss, making it particularly energy-efficient. The DFS PV is available with a rated residual current of 100 mA and 300 mA. ■

DFS HP –
residual current protection for heat pumps



The new DFS HP (HP for 'heat pump') was specially developed for use in systems with heat pumps.

Since heat pumps also use frequency converters which can generate smooth DC residual currents, most manufacturers prescribe the use of AC/DC sensitive residual current devices.

The new DFS HP is an AC/DC sensitive residual current device that was specially developed to protect heat pumps. Not only does the level of protection meet all requirements of heat pump manufacturers, the HP-optimised slow-blow also ensures increased system availability. This means the heat pump continues running even in the event of pulse shaped surge currents.

The DFS HP is available with a rated residual current of 30 mA, 100 mA and 300 mA. ■

DFS EV –
residual current protection for electromobility



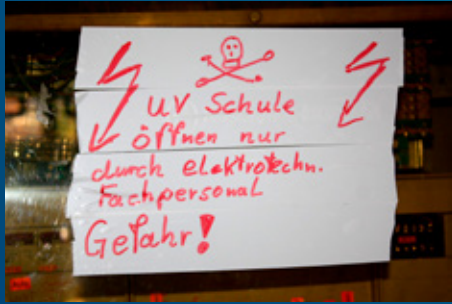
The DFS EV was specially developed for electric vehicle charging devices. The specifications for devices for residual current circuit protection in charging devices are set out at international level in product standard IEC 62955. This ensures full safety as smooth DC residual currents larger than 6 mA can occur during the charging process. Conventional type A residual current circuit-breakers are not designed to cope with this. On the other hand, type B switches are not suitable for upstream type A or type F circuit-breakers. But with the DFS EV, the DC residual current protection is already integrated. This means that the DFS EV is a compact solution that complies with product standard IEC 62955. ■

All three circuit-breakers are available for use in harsh environments, including an HD (heavy duty) version, so you will be ideally prepared for the energy transition. This version is particularly resistant to dust, corrosive gases, heat and cold. For more information on this, please visit doepke.de or visit our stand at Light + Building.



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 marvel, shake your head or laugh out loud by sharing our favourite electrical finds with you in this regular feature.



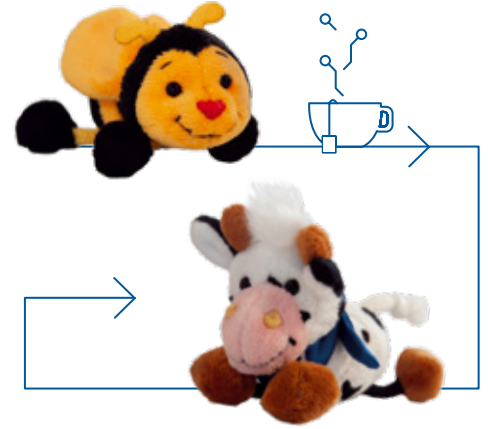
"Is this warning notice in line with the latest standards?" wondered Wilhelm Friedhof before taking out his camera and sending us this snap for our collection of weird and wonderful electrical finds. Thanks for sending it in.

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.

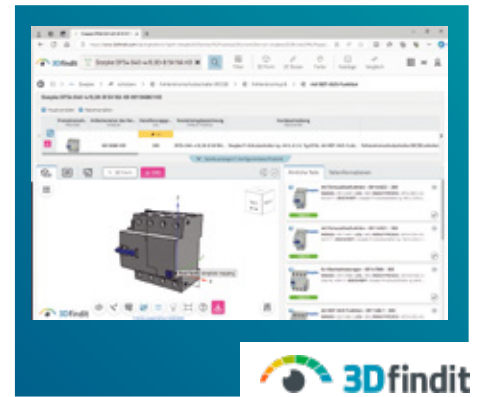
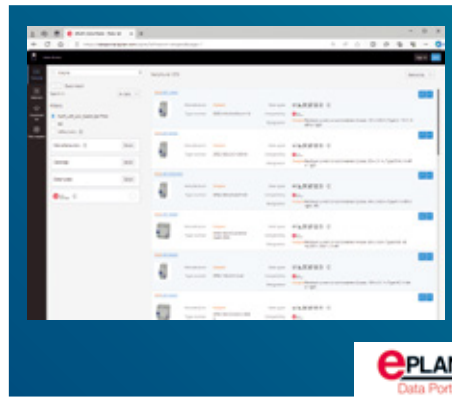
Sabiene hands over to Fiete

Our little friend Sabiene has had the longest run of any Doepke trade fair mascot due to the pandemic and the postponement of Light+Building 2022. Before she said farewell to take a well earned retirement, she shared a cup of tea with her successor Fiete and passed on a wealth of tips and advice to help him with his new important role as Doepke mascot. Fiete the cow is now making his way to Frankfurt and is looking forward to making his début at Light + Building 2024! ■



Doepke residual current circuit-breakers in CAD libraries

The product data for our residual current circuit-breakers can now be found in two major CAD libraries.



We have almost 1600 data sets on the EPLAN Data Portal. This means it is now much more convenient for electrical planners and installers who use the EPLAN software to include our products when planning their projects.

Users of CADENAS applications can use the visual search engine 3Dfindit to search for and use the BIM (Building Information Modelling) data for our RCCBs. ■

Doepke Academy: Webinar schedule online

Once again in 2024, we will continue to offer our Doepke Academy webinars on interesting topics relating to our products and the safe use of electricity. We are also planning an expert talk. Find out more at akademie.doepke.de. ■



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QUOTE OF THE QUARTER

*Well alltied in de Footstappen
van anner Lüü löppt,
achterlett nooit sien Sporen.*

*(Those who always follow the footsteps
of others, never leave their own tracks.
— from East Frisia)*

DATES/NOTES

Light + Building (stand A03, hall 12.1)
3–8 March 2024, Frankfurt

E-Kongress NRW, Dortmund
18 March 2024, Stefan Davids will be speaking

Middle East Energy
(German Pavilion, H1.F11)
16–18 April 2024, Dubai