

DIZ | Doepke-Info-Zeitung

The free customer newsletter by Doepke Schaltgeräte GmbH



IN THIS ISSUE

Doepke in motion..... 1	AC-DC sensitive DRCBO 4 B 3	Pinni returns..... 4
Always find the right residual current circuit-breaker..... 2	Residual current circuit-breaker for premium audio equipment 3	Committed trainees in the electrical trade..... 4
Signalling before switching: DCTR B-X Hz PoE... 2	Our electrical finds 4	Doepke creates 100 new jobs 4



Doepke in motion

Light + Building 2020 in Frankfurt

Light + Building 2020 is just around the corner and the preparations are in full swing at Doepke. From Development to Product Management, Production to Distribution and Marketing – many departments are looking forward to the week-long trade fair in Frankfurt and working to ensure Doepke is ready to introduce itself as a company, its products and above all its innovations and new developments.

A lot has happened since the last Light + Building in 2018: at the start of 2019, Doepke took over the production of MCBs from manufacturer ABL SURSUM Bayerische Elektrozubehör

GmbH & Co. KG. This involved the expansion of Doepke's main facility in Norden and also the production plant in Bickenriede, both in terms of space and staff (you can find out more about this on page 4). This rapid growth has brought with it many new responsibilities and challenges but also a lot of fresh motivation.

The resulting dynamic within the company has ensured that Doepke will once again be able to present some outstanding innovations at Light + Building in 2020. We will be giving you a sneak peak at some of these in this edition of DIZ.

Doepke is in motion and we want to show you this at Light + Building 2020. ■

Visit us between
8 and 13 March 2020 at
light+building

hall 12.1, stand A03.

We look forward to seeing you!

Always find the right residual current circuit-breaker

New selection tool app from Doepke for smartphone and tablet

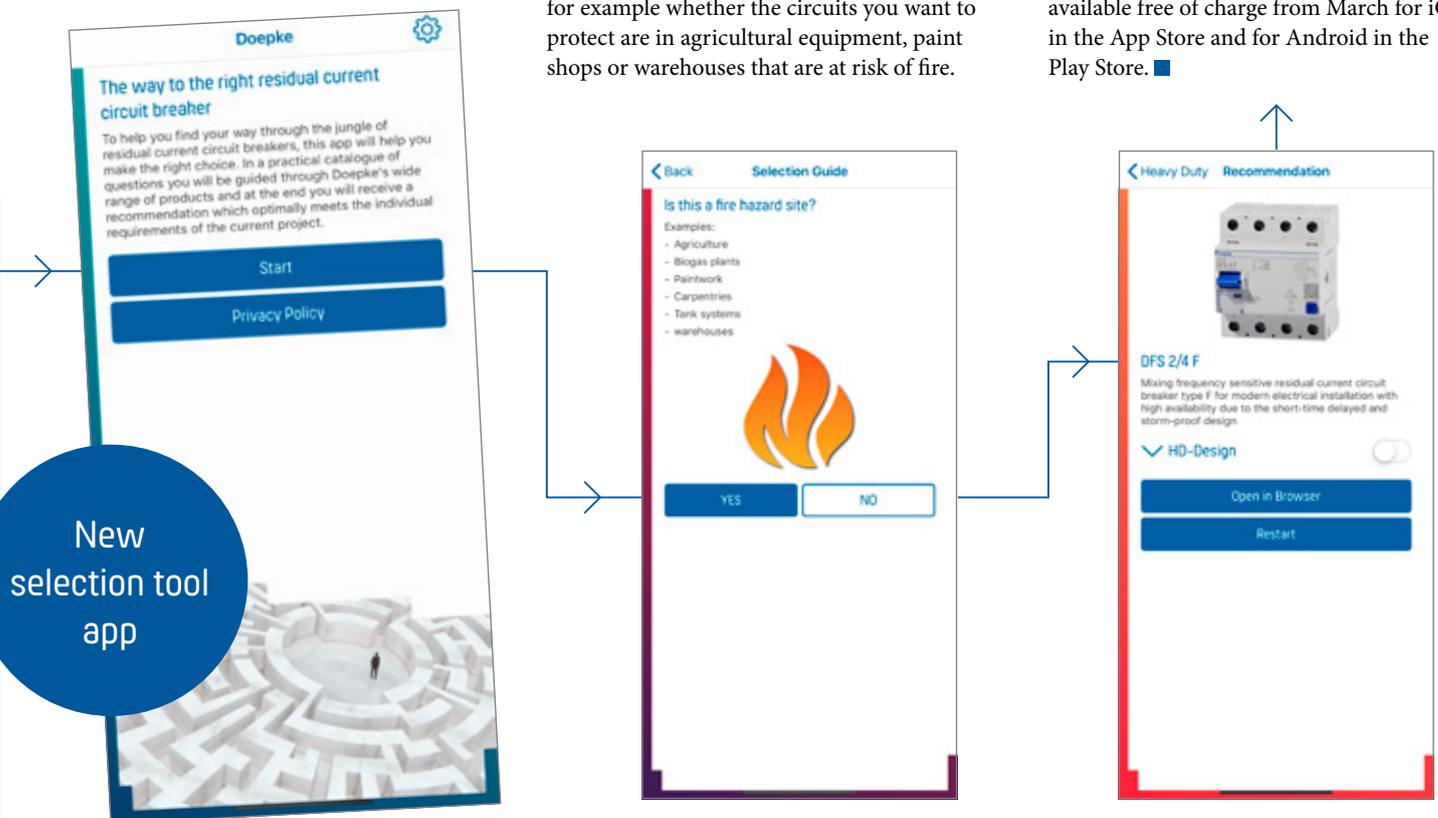
There are many different residual current circuit-breakers and each has its own strengths and applications. Type-A residual current circuit-breakers cover AC and pulsating DC residual currents, type F devices also cover mixed frequencies, while type B and B+ are AC-DC sensitive. Residual current circuit-breakers can be two-pole or four-pole, short-delay or have increased surge current strength and selectively trip. Some are specifically tailored to the requirements of electromobility, adapted for harsh environmental conditions or built for facilities at risk of fire. Put simply, it is not at all easy to navigate your way around them and choose the right model for your specific needs.

With this in mind, residual current protection experts Doepke have developed a new app that individually guides the electrical specialist through the large product range and navigates unerringly to the right residual current circuit-breaker in just a few clicks.

The app is a digital version of the 'Guidelines for the selection of residual current circuit-breakers', which can be downloaded from www.doepke.de as a PDF. The app uses a series of questions to pinpoint your precise needs, for example whether you need increased availability, as is the case in regions with frequent storms or when using electrical equipment with transient surge currents. The app also asks you about the environmental conditions, for example whether the circuits you want to protect are in agricultural equipment, paint shops or warehouses that are at risk of fire.

And even if the electrical system is being operated within an installation where the upstream protective device is not known or is unsuitable for conventional residual current protection, the app knows the right answer and is guaranteed to take you to the right type or the exact residual current circuit-breaker that perfectly meets your individual requirements. Clicking on the button 'Open in browser' takes the user to the Doepke website, where suitable products will be displayed for them to choose from. The app also enables you to scan QR codes on Doepke residual current circuit-breakers to find out more detailed information about them at any time.

The Doepke selection tool app will be available free of charge from March for iOS in the App Store and for Android in the Play Store. ■



Signalling before switching: DCTR B-X Hz PoE

The new smart DCTR residual current transformer with PoE interface provides fire and installation protection through precise monitoring with individually adjustable parameters. PoE connects the Ethernet port (network) with the transformer's power supply via Ethernet.



The frequency-selective DCTR B-X Hz PoE detects and evaluates residual currents at frequencies of 0 to 100 kHz with full reliability and displays them via the PoE interface in the DCTR Manager software. Constant monitoring of residual currents by the DCTR B-X Hz PoE provides information about the system's isolation and/or leakage current status. As per DIN VDE 0105-100/A1, this can be used to avoid repeat insulation tests, which can often be expensive.

The measured values from the individual devices are recorded, thereby enabling individual machines to be controlled, even over extended periods of time.

The DCTR B-X Hz PoE is a type-B residual current monitor and is therefore AC-DC sensitive. The protection concept can be configured for the system, depending on the application. There are also two signal contacts that can be freely configured to react as required: For certain individually adjustable residual currents, you can, for example, trigger a visual or acoustic alarm or switch off the system.

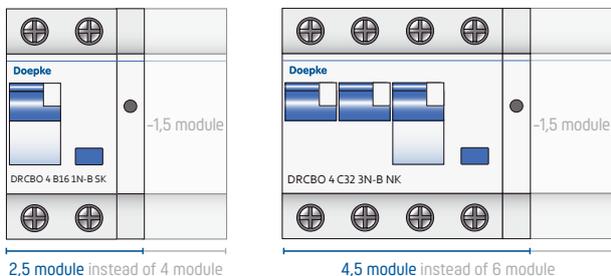
The DCTR B-X Hz PoE and the DCTR Manager are easy to implement. For precise, error-free measurement results, Doepke offers the DCTR residual current transformer with various internal diameters depending on the system's rated current. ■

AC-DC sensitive DRCBO 4 B

The DRCBO, the proven combination of residual current protection and line protection, is the first choice for reliably protecting power control circuits supplying frequency converters or other power converters, in the event of a short-circuit, overload or residual currents, while saving space at the same time. Possible applications include pump installations, air conditioning and ventilation systems, photovoltaic systems, heat pumps, cranes and various electrical equipment for construction sites.

Doepke will soon be offering the residual current operated circuit-breaker with integral overcurrent protection in an even more compact form:

Now available in even more compact design



The DRCBO 4 B comes in a two-pole version of just 2.5 module widths; the four-pole design is 4.5 module widths and is therefore the most compact type-B RCBO available on the market. In the event of an overload or short-circuit, only the faulty circuit is switched off.

This simplifies the troubleshooting process, increases the system's availability and also reduces costs in the process.

And the compact size isn't the only new feature. New product variants of the DRCBO are also expected to be available from the second quarter: as well as rated residual currents of 30 mA and 300 mA, it is also now available with a rated residual current of 100 mA.

In addition to the tripping characteristics already available, SK and NK, the residual current operated circuit-breaker with integral overcurrent protection will soon also be available in a B+ version. All versions are available for rated currents up to 32 A.

All DRCBO-series circuit breakers are, of course, VDE-certified. ■

Enjoy optimal sound quality safely:

Residual current circuit-breaker for premium audio equipment

Easy on the eyes and ears, the new DFS Audio was designed specifically for use in circuits where premium, sensitive sound systems are connected. The residual current circuit-breaker won't affect the listening experience of those with even the most sensitive of ears. And there's no need to hide the DFS Audio away – with its classy vinyl black exterior and white lettering, it fits right in with the premium equipment it protects.

This type F residual current circuit-breaker offers reliable protection against dangerous residual currents even with mixed frequency fractions in the event of a fault – and all without losing sound quality. The low-impedance design of the DFS Audio ensures an unhindered listening experience: It has solid silver-plated connection terminals and gold-plated terminal screws. Solid silver-plated internal conductors made of high-purity, low-oxygen copper ensure an unrestricted flow of current and the special design of the summation current transformer prevents undesired inductive fractions.

The DFS Audio is available in a two or four-pole design with a rated residual current of 30 mA and for rated currents up to 63 A.

It protects personal audio equipment and is also the ideal choice for use in the professional sector for sound systems in theatres, cinemas and concert halls, for example. ■



light+building

The world's leading trade fair for lighting and building services technology

8–13 March 2020, Frankfurt am Main, hall 12.1, stand A03

We look forward to meeting you, holding some interesting discussions and introducing some interesting new products to you at Light + Building 2020.

Visit us in **hall 12.1 at stand A03**

Your Doepke team

Our electrical finds

Be it cable chaos, a curious 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.

This time, it's another example that was found while on holiday. Hans Trinkaus found this distribution board in a souk in Marrakesh, where 'metalworkers' make metal parts (metal lamps, railings, gift items). Many thanks for submitting this example.



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. ■

Pinni returns

After two exciting, adventure-filled years, Pinni is back in Norden. He has experienced a lot and travelled far and wide. He has been to Dubai and Tenerife, sampled the delights of Bali and visited Lake Garda. After his last longer trip to Abu Dhabi, he then did a bit more travelling around northern Germany. We received messages from him from the hallig island Nordstrandischmoor and the Kiel Canal. Pinni is now looking forward to relaxing for a while in Norden.



From the next issue of DIZ, Sabiene will be travelling in his place. We are excited to see where her travels will take her over the next two years... ■

Committed trainees in the electrical trade

Sponsor Andreas Müller recognises national winners

Andreas Müller, Managing Director of Doepke Schaltgeräte GmbH, sponsored this year's German Federal Skills Competition run by the ZVEH (Central Association for German Electrical and Information Technology Trade).

The competition is held every year to find Germany's best trainees in seven occupations that require training in electrical engineering. On 15 and 16 November, a total of 50 participants, the best from each of the federal states, came to Oldenburg to compete. One of the seven gold medal winners, Tjark Frölje, a 21-year-old trainee from Detlef Coldewey GmbH, amassed the best points total in his age



group and received a Doepke-sponsored e-bike as his prize.

In his speech, Andreas Müller predicted that the participants would have excellent future prospects. "There

are more opportunities in the electrical trade than ever before, not least due to the energy revolution. The sector is seeing full employment and everyone can carve out their chosen career here. Put briefly: the future is electric!" ■

Doepke creates 100 new jobs

Expansion of production and administration facilities in Norden and Bickenriede

At the start of the year, Doepke took over the production of MCBs from manufacturer ABL SURSUM Bayerische Elektrozubehör GmbH & Co. KG.

The expansion of the product portfolio is bringing big changes with it: Doepke's main facility in Norden and also the production plant in Bickenriede are being expanded, both in terms of space and staff. Parts of the Production department and the dispatch warehouse have already been relocated to an additional, approx. 4500-square-metre hall in the neighbourhood and another building has been converted into new office space. Doepke has also now taken over a neighbouring four-hec-

tare plot. The production plant in Bickenriede has also been extended by 720 square metres with the construction of a new warehouse.

In Norden alone, 100 new employees have been recruited in 2019, meaning that over 300 people are now employed at Doepke, and demand continues to rise. The locations are set to see further expansion in 2020. ■

DATES/NOTES

E-Kongress NRW 2020

4–5 February 2020, Dortmund

Middle East Energy Dubai

3–5 March 2020, Dubai

Light + Building 2020

8–13 March 2020, Frankfurt, hall 12.1, stand A03

Specialist Conference on Electrical Safety – Technical Academy Esslingen

26–27 March 2020, Ostfildern

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QUOTE OF THE QUARTER

*Paths that lead into the future
never lie before us as paths.
They only become paths
when you walk them.*

Franz Kafka