Doepke

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The experts in residual current technology

DIZ

DOEPKE-INFO-ZEITUNG

FREE CUSTOMER NEWSLETTER BY DOEPKE SCHALTGERÄTE GMBH

ELEKTRO+ ZVEH

IN THIS ISSUE

Shining light in the dark

Dasy and Dasy TC twilight switches

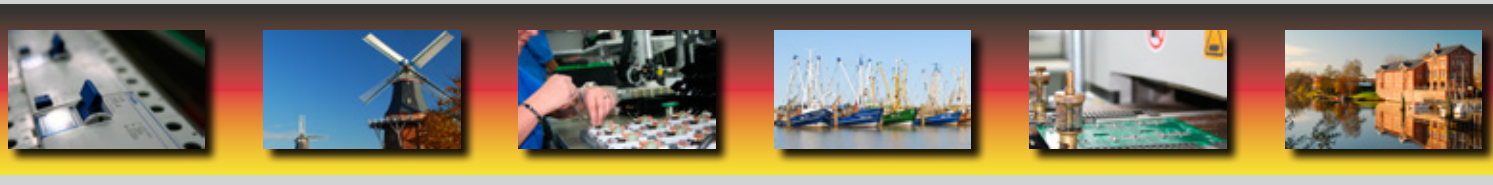
The summer solstice – the longest day of the year – was all the way back on 21 June 2016. Since then the days have been getting shorter and shorter and the nights are now drawing in. At the same time as we would have been enjoying a sunny summer evening, we are now plunged into almost complete darkness. There's no denying it – summer has come to an end and autumn is very much here.

As the seasons change, now is the time to check, repair, replace and buy more outdoor lighting. The benefits of equipping your property with the proper lighting are manifold: you can make your home welcoming to your friends at the same time as scaring away intruders.

Depending on where they are installed, motion and presence detectors come with the disadvantage that they do not provide continuous light. For example, the lights will be switched off if you move just outside of the detection area or don't stay put within it. Not to mention that it can be annoying and disruptive if the lights get switched on through the night by wild animals, for instance.

This is where the twilight switches in our Dasy series come in. The Dasy has been around for more than 20 years now, during which time it has been continually developed and adapted in line with ever-changing requirements. Boasting intuitive operation, the Dasy's settings can be easily adjusted to suit each user's specific needs. The switch is simply manually adjusted to the desired twilight level, without the need for any special tools.

▶ Continues on page 2



▼ **Continued from page 1:**

Dasy TC

In the case of the Dasy TC, this basic function is complemented by a time switch. The 'TC' in the name stands for 'time control'.

The built-in clock makes it possible to switch off the lighting in a certain time range and there is also the option to switch automatically from summer to winter time. Thanks to shorter operating times, less energy is consumed, which in turn reduces costs. This is particularly useful for situations when you want to avoid having the light on all night, e.g. company car parks, street lighting, display windows or illuminated decorative objects, such as statues or fish ponds, which do not attract attention during the night. Installation is taken care of in just a few simple steps for both new installations and retro-fitting.

Perspective

Next year, our Dasy and Dasy TC switches will also be available in a modern anthracite grey design alongside the existing white. ■

Melanie Brandes
Product Management

Switch off in case of emergency!

The DFS 4 NA: two devices combined in one housing

In many situations, it is useful, or even a requirement, for circuits to be equipped with an emergency switch function. The new DFS 4 NA provides an additional function of this kind and compatible residual current protection together in one unit, available in either Type A or B.

Equipment used for experiments in classrooms must be equipped with both residual current protection and isolating devices with remote actuation (standard mushroom buttons) for switch-off in the event of an emergency.

The new NA switch offers this very emergency stop loop connection option. The isolating device required here has to be able to disconnect all active conductors including the neutral conductor and AC-DC sensitive residual current circuit-breakers have to be used too. The Doepke DFS 4 B NA combines all of these properties in one device. ■

Heino Thoben-Mescher
Product Management

ABE e. V., East Frisia

Working group supporting the next generation

Heiko Zimmermann, Olaf Preuße, Heinz Speckmann and Thomas Lichtsinn (from left to right) at the symbolic launch of the new website

The 'Working Group for Training for Electrical Professions' (ABE e. V) has now launched its very own website (www.abe-ostfriesland.de) with the main aim of providing interested young people with extensive information on training to become an 'industrial electrical engineer'.

Employees responsible for training at all of the regional ABE member companies were in attendance at the official launch of the new website – an event hosted by Doepke.
ABE brings together leading East Frisian companies and experienced vocational teachers working on a voluntary basis who are committed to playing an active part in providing exceptional training to young people embarking upon careers within the electrical engineering sector. "ABE has set itself the aim of supporting vocational training for industrial electrical engineering professions," says Olaf Preuße as spokesman for the association.

At first, the whole initiative was dedicated to providing additional tuition for vocational college students during the second and third years of their training. ABE then started to arrange career-focused visits to companies.

Close contact with businesses means that extracurricular placements can be arranged for young people though ABE, which also offers an extra electrical engineering class free of charge for vocational college students. ■

Strength through peace

Installation contactors: virtually silent

Unbelievably quiet: Doepke-contactors work away undetected (Image similar)

Sometimes even a pin dropping can be considered loud and disruptive and any noise seems unbearable when we are trying to get to sleep.

There are just some situations where absolute silence is required, such as in living spaces or hotel rooms, and the new non-humming Doepke installation contactors are absolutely perfect for such applications. Their AC/DC coils can be operated with alternating and direct voltage and have been designed for continuous operation without any humming. The high quality and long endurance of the HS series make these installation contactors ideally suited to use in places where quiet needs to prevail. They are designed for 25 A and are available as four-pole devices with four normally opened contacts, two normally opened contacts and two normally closed contacts, or three normally opened contacts and one normally closed contact. Taking up just two module widths, these compact devices are no bigger than their low-noise counterparts. Familiar accessories, such as the HSH 11 auxiliary switch and the HSP seal caps, are also compatible with these new installation contactors.
They will be available once the new 2017 price list comes into effect. ■

Heino Thoben-Mescher
Product Management

Electromobility rally at belektro 2016

There continues to be a huge demand for information on electromobility and nowhere is this more true than at specialist electrical engineering trade shows and exhibitions.

Two years ago, the topic of electromobility was included for the first time at a regional trade fair, with a lecture forum, test track and special exhibition. The focus on the topic is set to continue at this year's belektro trade fair in the form of the electromobility rally, organised in partnership with industry representatives, the Berlin/Brandenburg electricians' guild and trade journal 'Elektro Wirtschaft'. The electromobility rally will see specialist knowledge presented in a fun way, with every exhibitor at belektro involved in the field to any extent having the chance to take part. A questionnaire has been drawn up that will be displayed at all of the info counters and the stands of the participating companies and the electricians' guild, where trade visitors will be able to pick up a copy. Participants will work their way around the electromobility rally, talking to designated members of staff on the stands. During these conversations, they can either ask specific questions or try to pick up as much knowledge as possible so they are able to fill in multiple answers, or even all of them.

Visitors will be able to take a virtual tour of the electromobility rally ahead of the event and get a printout on the belektro Virtual Market Place. The new icon for the electromobility rally will also help everyone find their way to all of the features related to this the topic. Every evening, the winner for the day will be announced. Prizes will be awarded – although they won't be product-related, they will be relevant!

Helmut Pusch: new spokesman for Elektro+ initiative

Helmut Pusch, Managing Director and Head of Sales and Marketing at Dehn + Söhne GmbH & Co. KG, is the new spokesman for the Elektro+ initiative (see photo). On 12 May 2016, he was unanimously elected to take on the role for the next five years. He takes over from Claus Fitze who transferred to the wholesale side of the business at the start of the year. In his new role, Pusch hopes to push forward the key aspects of Elektro+. The focus of the initiative is on establishing legally binding, modern, future-oriented standards for electrical installation through an intense awareness campaign with a view to improving electrical fittings in residential properties.

Photo: Elektro+ initiative

Residual current circuit-breaker with selftest function

Residual current operated protective devices have to be tested regularly by pressing the test key. On the basis of the fact that many users can't or don't want to do this, a new generation of user-friendly residual current circuit-breakers has been developed.

The intelligent residual current circuit-breakers in the 'Selftest' series perform a selftest once a month, meaning it is no longer necessary to manually press the test button. The electrical and mechanical processes performed within the device are identical. Bypass contacts ensure that the power supply is not interrupted and a potential-free contact allows a log to be kept. These residual current circuit-breakers are a simple solution for companies that have to rely on an uninterrupted power supply.

'Selftest Restart' residual current circuit-breakers

The 'Selftest Restart' complements the 'Selftest' function by automatically restarting in the event of faulty tripping, which may be caused by lightning strikes, transient leakage currents, vibrations or a reduction in the insulation resistance as a result of moisture or dirt. After testing the insulation resistance against earth, the Selftest Restart switches the power supply back on within ten seconds. If the device detects a fault in the system, it performs another test after two minutes. While there is still a fault, the test will be repeated every two minutes and there will be no attempt to restart the system until there are no faults present.
These functions provide increased safety as there is no longer any need to press the test button to manually test the protective function, meaning there is no risk of someone forgetting to do it. System availability is also increased if the power supply can be switched back on quickly by the Selftest Restart, meaning losses incurred due to downtimes are also reduced.

The 'Selftest' and 'Selftest Restart' residual current circuit-breakers detect Type A residual currents and are available in the following sizes: two-pole 25 A with a residual current of 0.03 A and four-pole 25/40/63 A with a residual current of 0.03 A.

DRCCB 5 CM-M bus module

The new DRCCB 5 CM-M bus module can be added to both of the residual current circuit-breakers, allowing the following information to be read directly from the devices via Modbus:

- Device type
- Device status
- Switch toggle position
- Device fault type
- Reason for tripping
- Type of last selftest (manual/automatic)
- Total number of selftests
- Number of successful selftests
- Number of restarts
- Auxiliary contact status

The log is disclosed and can be linked to any HMI system via this interface.

Holger Freese
Product Management

2016 apprentices

Meike Ukena and Lukas Ulferts

Meike Ukena

Hi! My name is Meike Ukena. I'm 18 years old and I live in Nesse.

As I more or less grew up with technology and enjoy doing manual work in my spare time, last year I decided to take a one-year vocational college course in electrical engineering.

I got my position as a trainee industrial electrical engineer through the placement I completed at Doepke during my studies.

Over three and a half years, the training covers all kinds of industrial electrical work, starting with installation, designing systems and system controls, commissioning, maintenance and renovation.

Lukas Ulferts

Hello! I'm Lukas Ulferts. I was born in Aurich, but I grew up in the small community of Münkeboe. I'm 18 years old and currently completing the second year of my training to become an electrician with a focus on industrial engineering at Doepke. I have always been fascinated by electrical engineering and completing two internships at Doepke cemented my desire to learn the trade.

Julio on the move

Our little mascot visits Rhodes

This summer, the Doepke hedgehog has been spotted at the Mandraki Harbour on the Greek island of Rhodes. If you head into the city of Rhodes, the harbour will always be the first port of call whether you are travelling by taxi or bus, as it really is the perfect place to start exploring the city. The city was formed back in 408 BC when three former cities merged to become one. The harbour was created in around 400 BC and was later used as a military port when the Order of Saint John galleys were stationed there. Many of the buildings in the area surrounding the Mandraki Harbour hark back to the Italian occupation between 1912 and 1943/47.

The leaning tower of Suurhusen

Leaning at an angle of 5.19 degrees, the church in Suurhusen in East Frisia pushes the Leaning Tower of Pisa into second place, beating it by one whole degree and holding on to its Guinness World Record as the most leaning tower for almost ten years. Ever since it was given this accolade, tourists have flocked to the church from all around the world.

Suurhusen, a village near Emden, is home to the most leaning tower

The church tower was built onto the church on oak tree trunk foundations in 1450. However, the foundations started to rot away as the groundwater level dropped, causing the church tower to lean noticeably to the side.

The turret was removed right away, but as the church continued to lean more and more, it had to be closed. Renovation work was able to begin after DM 200,000.00 was pulled together by donations and Lower Saxony state treasury funds. Experts laid new foundations made from reinforced concrete posts under the tower, meaning the church could be reopened. It's definitely worth visiting the little village of Suurhusen to see this attraction!

DATES/NOTES

Belektro, Berlin
11–13 October 2016
Hall 1.2, Stand 206

GET Nord, Hamburg
17–19 November 2016
Hall B5, Stand 245

SPS IPC Drives, Nuremburg
22–24 November 2016
Hall 4, Stand 4-271

Doepke's tender texts
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www.ausschreiben.de

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QUARTERLY QUOTE

You need to speak to be heard.

Helmut Schmidt

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