

Ladies and Gentlemen,

New safety switching devices, new operating modes, new real applications: There is much to report after the summer break. If you are interested in one of the newly introduced products, you can also see it "live" at the end of September and obtain additional information during a personal discussion: At the Motek (September 22 – September 25, 2008 in Stuttgart), we will show all innovations, at the Powtech (September 30 – 2.10. in Nuremberg), the ATEX program will be in the foreground. The preparation for the SPS/ IPC/ DRIVES, which takes place at the end of November in Nuremberg, has already begun in parallel. You will be informed prior to this trade show of the innovations, which we will introduce there.

Only one click away.

To facilitate the navigation and minimise your time expenditure, we will only just mark out the themes. If you want more information, just click the link of the desired theme to be redirected, e.g. to a concise product description, a technical article or detailed information about a safety standard. The desired information therefore is just one click away. The information furthermore is grouped in five categories, which also facilitates reading.

We hope you enjoy our newsletter. Do not hesitate to send us your feedback - comments and suggestions as well as critical reviews - and feel free to forward it to your interested colleagues!

**Products****Control devices and indicator lights for areas with potentially explosive atmospheres**

The programme meets the requirements of the ATEX Directive 94/9/EC and can be used in much more fields than just the chemical industry, which is usually associated with the "explosion protection" subject. Not only gases, but all organic dusts and powders as well as wood powder and plastics are a major source of explosions when mixed with air. During food manufacturing processes, e.g. during the processing of flour or coffee, inflammable dust-air mixtures can occur as well. For these zones, the machine operator must execute a risk analysis in accordance with the ATEX Directive 1999/92/EC and implement appropriate explosion-preventing measures. One of these measures is, amongst others, the use of explosion-proof control devices and switchgear. [▲ more](#)

ATEX-compliant safety relay modules for areas with explosive atmospheres

The PROTECT SRB 101-Ex (one safety release) and SRB 200 (two safety release) series are suitable for use in Ex zones. There are variants with monitored reset function (trailing edge) as well as with automatic or manual reset function. All these versions have a stop 0 safety release and optionally can be supplied with cross-wire short detection.

The four new safety relay modules can be used in intrinsically safe circuits in combination with, amongst others, reset buttons, emergency stop control devices, interlocking devices and safety magnet switches to the ATEX-Directive 94/9/CE. Due to the explosion category "n" to EN 60079-15, they can be used in IP 54 control cabinets in Ex zone 2 (gas). [▲ more](#)

Pull-wire emergency stop switches - easy-to-use and robust

The new ZO/TQ pull-wire switches from the Schmersal Group feature many practice-oriented details. The development engineers particularly paid attention to an ergonomic operation and a long lifetime, even under rough conditions.

IF-Award awarded to innovative wire-tensioning device

The S 900 is now available as innovative extra feature for all series: this wire-tensioning device facilitates the fitting and the fine adjustment of the pull-wire rope. [▲ more](#)

Adapter for series-wiring of safety sensors**Enhanced installation & cost reduction**

Many complex machinery and plants are equipped with multiple safety guards. According to the Machinery Directive, they all need to be safe, which means that the machine builder must provide the required number of safety switchgear. The installation of the switchgear of course consumes a lot of time and money.

The BNS 33, BNS 36 and BNS 260 safety sensors from the Schmersal Group can facilitate this job. For these series, adapters are now available, enabling a series-wiring of the safety sensors of this type. With the adapters, the safety sensors - equipped with M8 connectors - can be simply series - or series- / parallel-wired. [▲ more](#)

**Schedule****▲ Schmersal tec.nicum - Schmersal Seminar Program (Germany)**

- ▲ 01.09.2008 - 04.09.2008 Manufacturing Exhibition, Shenyang (China)
- ▲ 09.09.2008 - 12.09.2008 Elektronik, Perm (Russia)
- ▲ 11.09.2008 - 12.09.2008 NAEC's 59th Annual Convention and Exposition (USA)
- ▲ 22.09.2008 - 25.09.2008 Motek, Stuttgart (Germany)
- ▲ 23.09.2008 - 24.09.2008 European Lift Congress, Heilbronn (Germany)
- ▲ 23.09.2008 - 26.09.2008 The 9th China Int. Ind. Products Exhibition, Wuhan (China)
- ▲ 23.09.2008 - 26.09.2008 Micronora, Besancon (France)

- ▲ 30.09.2008 - 02.10.2008 Powtech, Nuremberg (Germany)
- ▲ 30.09.2008 - 03.10.2008 Aandrijftechniek & Factory Automation, Utrecht (NL)
- ▲ 01.10.2008 - 03.10.2008 Tekniikka, Jyväskylä (Finland)
- ▲ 01.10.2008 - 02.10.2008 Mercopar, Sul (Brazil)
- ▲ 01.10.2008 - 03.10.2008 PTA, Moscow (Russia)
- ▲ 14.10.2008 - 15.10.2008 Mocon, Gent (Belgium)
- ▲ 21.10.2008 - 24.10.2008 Tekniska mässan, Stockholm (Sweden)
- ▲ 28.10.2008 - 01.11.2008 Matelec, Madrid (Spain)
- ▲ 30.10.2008 - 01.11.2008 JIMTOF, Tokyo (Japan)

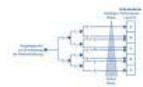


Standards

Special operating modes for set-up mode and process observation

How can the job of the machine setter or operator be facilitated, whilst it is still guaranteed that he works safely during the set-up or after a size change on the one hand and that he has the best visibility on the process so that he can intervene in case of an emergency on the other hand? The new Machinery Directive provides - under strictly defined conditions - the possibility to use special operating modes; an opportunity, which the machinery builder should take advantage of. ▲ [mehr](#)

EN ISO 13849-1: New category principle for machine safety



The "category principle" for Safety-Related Parts of Control Systems (SRP/CS) of machinery belongs in the past: The familiar control unit categories of EN 954-1:1996 have been replaced by performance levels of EN ISO 13849-1:2005 and must be applied by the end of 2009. What now changes for the designers and safety engineers? ▲ [mehr](#)



Application

Press technology: Safety and productivity are not a contradiction



When observing the entire mechanical and plant engineering field, two hand switches surely belong to the more rare safety devices. However, they are widely used in metal-working, especially in press technology. The Pressen- und Maschinenbau Erfurt GmbH - short: PME - relies on two-hand control panels by Elan for their metal forming presses. ▲ [more](#)

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