

PRESS RELEASE

New modules for efficient, fail-safe signal evaluation

Space-saving: Safety relay module SRB-E-302ST and output expansion SRB-E-402EM

Wuppertal, 29 November 2021. Schmersal launches two new safety modules: the safety relay module SRB-E-302ST and the output expansion SRB-E-402EM are efficient and space-saving solutions for safe signal evaluation.

One evaluation unit for two safety sensors: the most striking feature of the SRB-E-302ST safety relay module, with which Schmersal will replace several modules in the outdated AES series. The module enables monitoring of all common electromechanical and electronic safety switches and safety sensors, as well as active opto-electronic protective devices (AOPDs). Depending on the application, the module switches with the fail-safe relay contacts or wear-free with a fail-safe semiconductor output. The module allows the realisation of applications up to category 4/PL e (EN ISO 13849-1) as well as SIL 3 (IEC 61508).

The new series gives the electrical designer scope to save space in the switch cabinet and reduce costs, while at the same time utilising the full functionality of a state-of-the-art safety module twice over. Control is either single-channel or dual-channel and the module comes with functions including stop 0, autostart and reset with edge monitoring, plus the option to select from 24 pre-configured applications with a rotary switch. The user can select the start function with a second rotary switch.

Also new is the SRB-E-402EM output expansion, which, like the SRB-E-302ST, is accommodated in a modern and compact housing from the SRB-E series. The output expansion allows designers

to duplicate and reinforce the contacts of fail-safe relays and semiconductor outputs. Four safety contacts, two signalling contacts and feedback contacts are available. The new safety module can be used as an expansion module for all safety modules and safety controllers with feedback loop monitoring. When compared to the predecessor series, the new module is characterised by more compact dimensions and an increased temperature range (-25°C to +60°C).

Photo in print quality for download:

<https://www.schmersal.com/fileadmin/download/press/media/pressefoto-protect-srb-e.zip>

Image caption:

Schmersal will be introducing two new safety modules: the SRB-E-302ST and the output expansion SRB-E-402EM.

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Founded in 1945, the company is represented by seven manufacturing sites on three continents with its own companies and sales partners in more than 60 countries. The Schmersal Group employs more than 1900 people worldwide.

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