Georg Schlegel GmbH & Co. KG

**Compact, safe, self-monitoring**

SCHLEGEL expands its MK/MKP series by two new contact blocks

With the new contact blocks MKTOSFE and MKPTOSFE of the MK/MKP series, Georg Schlegel GmbH & Co. KG from Duermentingen launches two compact solutions that offer even more safety for humans and machines in industrial areas thanks to their integrated failure switch-off. The failure switch-off enables a continuous monitoring of the connection between the emergency-stop and the contact block.

This self-monitoring function of these modules reliably detects two critical cases of failure: If the emergency-stop has not been mounted correctly, the system prevents the machine start. If the connection is being interrupted during operation – for example due to mechanical damage – a shutdown signal is automatically activated. The machine will be immediately brought into a safe state and can only be restarted after successful trouble-shooting.

The new models offer different types of connections: The MKTOSFE with screw connection enables a classical wiring, whereas the MKPTOSFE with Push-In connection makes a quick, tool-less installation possible – this is ideal for time-saving assembly processes. Both types combine a NC contact with positive opening and a NO contact which acts as the monitoring contact of the failure switch-off. They can be mounted to the emergency-stop direclty by using the module holder MKHR\_3 and can be combined with additional NC and NO modules.

With electrical characteristics of 240 V / 3 A AC resp. 24 V / 2 A DC, according to IEC EN 60947-5-1, a lifetime of 100,000 switching cycles and an operating temperature range of -30 °C to +85 °C, the new contact blocks fulfil the highest requirements for safety and reliability.

Photos

Photo 1:

Caption:

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About Schlegel GmbH & Co. KG

The brand SCHLEGEL stands for innovation, quality and design. Founded in 1945, Schlegel is today a globally operating company with headquarters in Germany, sales offices in Austria, Singapore, China and the US, and exports to more than 80 countries on all five continents. The core competences: Development and production of pushbuttons and switches, pilot lights, and terminal blocks. The product portfolio further includes bus systems, enclosures, control panels and functional components. When developing new products, Schlegel sets high standards as to the design. Over 100 national and international design awards confirm the company's high level of design expertise, among these prizes are the iF Design Award, the Red Dot Award or the German Design Award.