Duermentingen, April 2024

Georg Schlegel GmbH & Co. KG

Safe operation

*New e-stops and membrane pushbuttons of the SHORTRON connect series*

"Safety first" - referring to this motto, we added two emergency-stops and a membrane pushbutton to the SHORTRON connect series. The e-stop FRVKDOO\_C113 offers more safety due to its illuminated additional indicator. The pushbutton SVAFTLI\_C005 and the e-stop FRVKPOOI\_C112 can be used in hygienic areas. As in every "connect" sub-series, the new pushbuttons and e-stops are equipped with a M12 connector.

The e-stop FRVKDOO\_C113 with additional active/inactive indicator is designed for modular units or applications. Once the e-stop is active, the head is illuminated in red - as required by the safety standard EN ISO 13850. This ensures that the e-stop is recognised as such and can be found and operated in an emergency to put the machine/unit in a safe mode. When the machine or unit is not active, the inactive e-stop is not illuminated. Because of the grey colour, the e-stop is not recognised as such and therefore, an inadvertent operation is being significantly reduced.

With the active/inactive e-stop with status indication, there is no requirement to remove or cover inactive mobile plants or machines anymore, which has been the case with regular non-illuminated e-stops.

The e-stop is also available as a version without a series resistor (FRVKDOO\_R0\_C113). Both versions have 2 NC contacts and an A-coded, 5-pole M12 connector. The rated operating voltage is 24V AC/DC and the rated operating current is 2A AC/DC.

The e-stop FRVKPOOI\_C112 and the pushbutton SVAFTLI\_C005 can be used in hygienic areas. There are no corners, edges or gaps, where dirt or bacteria can accumulate and contaminate the product. Because of the high IP rate IP69K and quality materials used (stainless steel), the switches can be cleaned, and stay sterile and hygienic.

The emergency-stop with the yellow rubber shroud for hygienic applications comes with 2NC and 1NO contacts, the M12 connector has 5 poles and is A-coded. The rated operating voltage is 35V AC/DC and the rated operating current is 2A AC/DC.

The illuminated membrane pushbutton with a stainless steel front ring comes with an NO contact and a 4-pole A-coded M12 connector. If required, a nameplate can be inserted into the pushbutton. The pushbutton has a lifetime of 1 million switching cycles.

For special applications, the pushbutton (SVAFTPLI\_C005) is also available with FDA approval including a blue sealing, which is typically used in hygienic areas. The rated operating voltage is 35V AC/DC and rated operating current is at 4A AC or 2A DC.

All our "connect" sub-series have an integrated M12 connector, which bases on the quick and easy plug&play principle. This saves time and costs, as no professionals are required for installation.

Photos

Caption: 2 emergency-stops and a membrane pushbutton with integrated M12 connector were added to the series SHORTRON connect. Photo: SCHLEGEL

Photo 1:

Photo 2:



Caption: Pushbutton SVAFTLI\_C005 is suitable for hygienic applications. Photo: SCHLEGEL

Photo 3:



Caption: Pushbutton SVAFTLI\_C005 is suitable for hygienic applications. Photo: SCHLEGEL

Contact details:

Georg Schlegel GmbH & Co. KG

Wolfgang Zoll

Kapellenweg 4

88525 Duermentingen

Phone +49 (7371) 502-0

Fax +49 (7371) 502 49

www.schlegel.biz

vertrieb@schlegel.biz

Media contact:

Georg Schlegel GmbH & Co. KG

Bruno Jungwirth

Kapellenweg 4

88525 Duermentingen

Phone +49 (7371) 502-0

Fax +49 (7371) 502 49

www.schlegel.biz

bruno.jungwirth@schlegel.biz

For publication, free of charge. Specimen copy or indication requested.

About Georg Schlegel GmbH & Co. KG

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, the US, China, and Singapore, and exports to more than 80 countries on all five continents. The core competences: Development and production of control units, pilot lights and terminal blocks. The product portfolio further includes bus systems, enclosures, limit switches, control panels and functional components. When developing new products, Schlegel sets high standards as to the design. More than 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, the Good Design Award and the German Design Award.