Emergency Stop Buttons

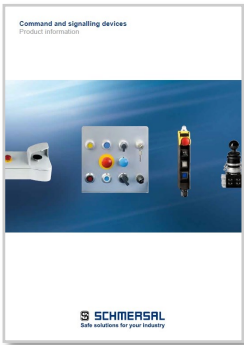BDF100-NH-G-ST   BDF100-NHK-G-ST   E-STOP 201   ESTOP-MBGAC311   E-STOP KIT

Available Literature

Command and Signaling Devices
94 pages, print or PDF

Whitepaper:
Emergency Stop Devices
Visit our website for a PDF Copy

Overview

According to OSHA, ANSI and relevant ISO regulations every machine is required to have a means to immediately remove all hazardous energy in the event of an emergency. In most all industrial machines this is achieved by the use of an Emergency Stop (E-Stop) pushbutton.

NFPA79 and ISO 13850 detail the physical characteristics of a push button E-Stop, which will include a RED mushroom operator head with YELLOW background. It must also be self-latching, meaning that once actuated the Emergency Stop will remain in the actuated state until a voluntary and deliberate action is performed, such as twisting and/or pulling of the palm button for reset. In addition, this resetting of the E-Stop alone should not resume operation; instead a second deliberate action is needed, such as the pressing of a RESET button.

OSHA and standards such as IEC 60204-1 state that an Emergency Stop must be readily accessible to the operator. This means that every operator station or any area of the machine worked on which is considered part of the normal operating procedure needs a means for an emergency stop. It should be unobstructed and easily accessible without having to reach over, under or around to actuate.

Complete E-STOP KIT

The E-STOP KIT includes all the components necessary for a panel-mounted emergency stop pushbutton. They are delivered in a single box.

It includes:
A 40 mm diameter aluminum operator head with mounting block.
Two 1 NO & 1 NC contact blocks.
A spring element for latching and reset function.
A round yellow metal plate with adhesive on the back.

IP69K Rated E-Stop

Schmersal offers an E-Stop pushbutton that meets IP69K sealing requirements … tolerating high temperature (up to 175°F) steam or water wash downs at pressures up to 1450 psi. The NDRR50RT offers a 50 mm wide, thermoplastic head and modular contact block system.

This E-Stop is ideal for applications where hygienic conditions are critical (food processing, medical equipment, meat packaging and pharmaceutical manufacturing). It was specifically designed with smooth surfaces to reduce the accumulation of process substances, dirt and/or bacteria.

Various Models

Schmersal offers a number of complete E-Stop pushbutton kits that satisfy all relevant require-ments. They include the operator, contact blocks, and enclosure.

BDF100-NH-G-ST
E-Stop without protective collar

BDF100-NHK-G-ST
E-Stop with protective collar

E-STOP201
Plastic pushbutton in plastic enclosure (pre-assembled)

ADRR40RT	40mm button
CLP101	1NC contact (x2)
MBKAC311YE	Enclosure

Additional contact blocks available:

CLP101	1NC contact
CLP110	1NO contact

E-STOP-MBGAC311
Metal pushbutton in metal enclosure (kit)

EDRR50RT	50mm button
EF220.1	2NC contact
EFR	Spring element
MBGAC311YE	Enclosure

Additional contact blocks available:

EF220.2	2NC
EF303.2	1NO/1NC

E-STOP KIT
Metal pushbutton for panel mounting (kit)

EDRR40RT	40mm button
EF303.1	1NO/1NC contact
EF303.2	1NO/1NC contact
EFR	Spring Element
MDP8.2	Yellow plate

Compatible Safety Controllers

SRB-E-201LC	SRB-E-322ST
SRB-E-201ST	SRB-E-402ST
SRB-E-301ST	SRB-301MC
SRB-E-212ST	

Contact

Schmersal USA
15 Skyline Drive
Hawthorne, NY 10532
Tel: 914-347-4775
Fax: 914-347-1567
E-mail: salesusa@schmersal.com

Schmersal Canada
29 Centennial Road, Unit 1
Orangeville ON L9W 1R1
Tel: 519-307-7540
Fax: 519-307-7543
E-Mail: salescanada@schmersal.com