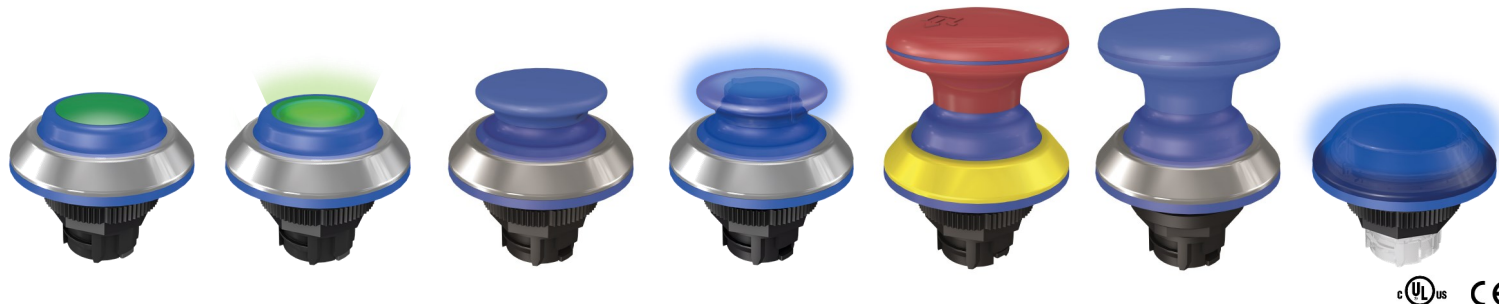
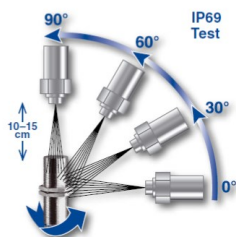


TECH BRIEF:

H SERIES PUSHBUTTONS



Features



Devices bearing the IP69 rating can be used in applications in which they are exposed to high pressure (1450psi) and high temperature (175°F) wash down



Hygienic design: smooth transition, stainless steel, and blue sealing bellows and gaskets between components



Custom lettering and IEC 60417 symbols can be laser engraved on button heads



Contact blocks with one contact (1 NO or 1 NC). Single version regardless of mounting position. Contact blocks are stackable, to offer additional contact configurations

Applications

- Food processing machinery
- Pharmaceutical machinery
- Medical applications
- Chemical processing equipment
- Painting systems

The H series from Schmersal is a full range of command and signaling devices for hygiene-sensitive applications, particularly food processing.

Characteristic features of the range of command and signaling devices are gap-free transitions between sealing elements and surfaces and an absence of protruding parts. The cover rings are stainless steel. The series is IP69 Rated, to withstand regular high temperature and high pressure washdowns. The command elements are easy to clean and can withstand regular cleaning with aggressive cleaning agents. Gaskets and seals between component parts are blue colored.

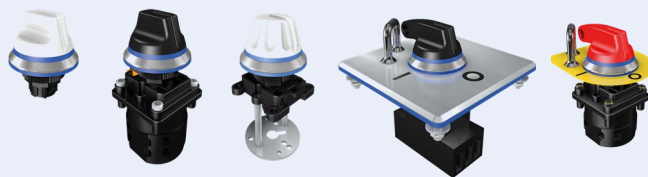
The H series is fully modular as well, thanks to snap-on contact carriers and individual contact blocks (1 NO or 1NC), which can be stacked to offer multiple contact configurations. This concept enables quick and easy installation, as well as maximum flexibility, and the ideal conditions for pre-wiring. The series can be mounted in a 22mm mounting hole with a notch, to orientate the buttons correctly and prevent twisting in the hole.

These command devices offer a range of different operators including pushbuttons, mushroom buttons, emergency-stop buttons, and signal light indicators. In addition, there are selector switches with two or three positions, step switches from 2 to 12 positions, main disconnect switches and a potentiometer drive knob. Knobs on these devices are available in white or black, and many offer an extended knob.

The new series meets the requirements of DIN EN ISO 14159 (Safety of machinery - Hygiene requirements for the design of machinery) and the latest version of EN 1672-2 (Food processing machinery - Basic concepts). This standard sets out very precise specifications for the hygienic design of all command elements at the human-machine interface (HMI) of food-processing machinery. They also comply with the new regulation (10/2011/EU), which formulates the requirements relating to the selection of materials intended to come into contact with food.

Product Extension

In addition to pushbuttons and indicator lights, the H series also offers Selector Switches as maintained, spring returned or combined, Step Switches, Potentiometer knob, as well as Emergency cutoff and Main Disconnects, with our without a mounting plate.



Ordering Details

Pushbuttons

HD1-BL-2

- ① Type
 - T Pushbutton
 - L Illuminated pushbutton
 - TP30 Small mushroom: non-illuminating
 - LP30 Small mushroom: illuminated
 - TP40 Large mushroom, non-latching
 - RZ40 Large mushroom, latching

- ② Button Color
 - GB Yellow
 - GN Green
 - BL Blue
 - RT Red
 - WS White
 - SW Black (not for illuminated buttons)
 - GR Gray (not for illuminated buttons)

Indicator Lights

HML-BL-1

- ① Color
 - GB Yellow
 - GN Green
 - BL Blue
 - RT Red
 - WS White

E-Stop pushbutton

HDRZ40-BL-RT-GB

Red mushroom button with yellow cover ring

Accessories

Contact Blocks

Individually packaged

- CLP101 1 NC contact
- CLP110 1 NO contact
- CLP001 Lamp holder

Bulk order (20 pieces)

- CLP101-20ST 1 NC contact
- CLP110-20ST 1 NO contact
- CLP001-20ST Lamp holder

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