Overview

The BDF series control stations are designed to offer up to 4 operators for various machine or process controls conveniently located at the guard door in one compact, easy to install housing. The BDF series eliminates the need for larger custom control boxes to be designed and manufactured for guard door controls.

The Universal Kit model (2875) has several positions, designated LT in the part number, which can be converted in the field to either a push button, an illuminated push button, or an indicator light. This conversion is based on the wiring of the contacts and/or LED for each position, and the application of appropriate colored button caps provided. The accessories package includes 7 opaque button caps in various colors, 5 semi-transparent button caps in various colors, and 4 lens inserts.

Three types of base models are available:
- all four operator positions customizable;
- either a NH or NHK E-Stop button installed in position 1, with the remaining three operator positions customizable;
- either a NH or NHK E-Stop buttons installed in position 1, a SWS20 keyed selector switch installed in position 2, and the remaining two operator positions customizable.

These models are offered with 1 NO & 1 NC contacts (-11), 2 NO contacts (-20), or with 1 NO contact and LED indicator lamp (-10…-G24).

Field customization

For each LT position, select a lens and button cap in the desired style (opaque or semi-transparent) and color.
1. Place the lens.
2. Place the button cap.
3. Push the button to click the cover into place.

The LT positions can be converted into one of three options:
- For a pushbutton, use an opaque cap and connect only the contacts for that position.
- For a illuminated pushbutton, use a semi-transparent cap and connect the contacts and the LED.
- For a indicator light, use a semi-transparent cap and only connect the LED.

Operator Options

- NH E-Stop Operator for position 1
- NHK Collared E-Stop Operator for position 1
- SWS20 Keyed Selector Switch with maintained actuation for position 2

Features

- BDF200 fits standard housing extrusions and aesthetically matches our AZM201.

Applications

- Material handling systems
- Packaging machinery
- Chemical processing equipment
- Robot cells
- Folding or brake presses
- Filter presses
- Punching machines
- Printing machines
- Injection molding
- Palletizers
- Packaging equipment

Ordering Details

Items in bold are regularly stocked

All customizable positions
BDF200-LT-11-LT-LT-LT-2875
BDF200-LT-20-LT-LT-LT-2875

With E-Stop
BDF200-NH-11-LT-LT-LT-2875
BDF200-NHK-11-LT-LT-2875
BDF200-NH-20-LT-LT-LT-2875
BDF200-NHK-20-LT-LT-2875
BDF200-NH-10-LT-LT-G24-2875
BDF200-NHK-10-LT-LT-G24-2875

With E-Stop & Keyed selector switch
BDF200-NH-11-SWS20-LT-LT-2875
BDF200-NHK-11-SWS20-LT-LT-2875
BDF200-NH-20-SWS20-LT-LT-2875
BDF200-NHK-20-SWS20-LT-LT-2875

Accessories
BDF-U200-PBC (spare pushbutton covers) includes:
- 7 opaque button covers
  Yellow, Red, Green, Blue, White, Grey, and Black
- 5 Semi-transparent button covers
  Yellow, Red, Green, Blue, and White
- 4 lens inserts

MP BDF 200 (Mounting plate for use with AZM200)

Part number breakdown
BDF200-G-O-LT-LT-LT-G24-LT

1. Operator Position 1
   NH E-Stop button on yellow
   NHK Collared E-Stop on yellow
   LT Customizable button

2. Contacts
   11 1 NO & 1 NC
   20 2 NO
   10 1 NO

3. Operator Position 2
   STS20 Keyed Selector Switch
   LT Customizable button

4. LED indicator lamp
   Blank Without
   G24 for 10 contacts only

5. Connection
   Blank Cord Grip & screw terminals
   2920 prewired quick connect

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

Available Literature

GK-1 Products Catalog page 2-18

07.2020