

## Datasheet - BDF 100

Control panels / BDF100



- Thermoplastic enclosure
- slender shock-proof enclosure
- to be fitted to commercial-off-the-shelf aluminium profiles
- to be installed at an ergonomic favourable position
- large range of illuminated pushbuttons, Selector switches, LED indicator lights, Key-operated selector switches and Emergency-Stop buttons
- Field labelling with separate plastic cover
- Start/stop and reset functions available

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	BDF100
Article number	BDF100
EAN Code	
notice	<b>see ordering code</b>
eCl@ss	27-37-12-02

### Approval

Approval



### Global Properties

Permanent light	BDF100
Climatic stress	DIN EN 60068
Material of the housings	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Housing color of upper part	■ Black
Weight	
Protective collar in housing cover (Y/N)	No
Positions used	
- Position 01	<b>see ordering code</b>
Emergency-Stop button (Y/N)	No

## Mechanical data

Design of electrical connection

connector plug M12, 8-pole

## Ambient conditions

Ambient temperature

- Min. environmental temperature

-25

- Max. environmental temperature

+65

Overvoltage category

III

Degree of pollution

3

## Dimensions

Dimensions

- Width

40

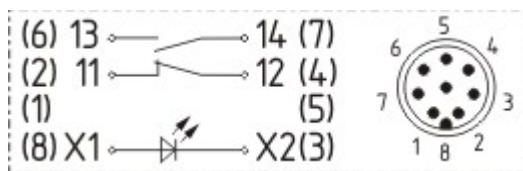
- Height

99


- Depth

39


## Diagram





Note Diagram

 positive break NC contact

 active

 no active

 Normally-open contact

 Normally-closed contact

## Ordering code

BDF 100-(1)-(2)-(3)-ST

(1)

NH-G

NHK-G

(2)

without

(1)

20

11

(2)

LT..

LM..

DT..

WS 20/30

### Control elements - with Emergency stop

Emergency stop latching pushbutton without Protective collar

Emergency stop latching pushbutton with Protective collar

### Control elements - without Emergency stop

2 Normally open contact (NO)

1 Normally open contact (NO) / 1 Opener (NC)

Illuminated pushbutton (Selection Color)

Illuminated signal (Selection Color)

Push button (Selection Color)

Selector switch, 2/3 switch position

<b>WT 20/30</b>	Selector switch, 2/3 switch position
<b>SW 20</b>	Key switch / - Key button, 2 switch position
<b>(3)</b>	
<i>without</i>	without Indicator lamp
<b>G/RD</b>	<b>Indicator lamp</b> Indicator lamp red
<b>G/GN</b>	Indicator lamp green
<b>G/YE</b>	Indicator lamp yellow
<b>G/BU</b>	Indicator lamp blue
<b>G/WH</b>	Indicator lamp white

## Documents

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**Operating instructions and Declaration of conformity** (nl) 679 kB, 29.11.2018

Code: mrl\_bdf100\_nl

**Operating instructions and Declaration of conformity** (de) 631 kB, 05.11.2018

Code: mrl\_bdf100\_de

**Operating instructions and Declaration of conformity** (it) 695 kB, 20.03.2018

Code: mrl\_bdf100\_it

**Operating instructions and Declaration of conformity** (es) 689 kB, 26.11.2018

Code: mrl\_bdf100\_es

**Operating instructions and Declaration of conformity** (pt) 682 kB, 03.12.2018

Code: mrl\_bdf100\_pt

**Operating instructions and Declaration of conformity** (cn) 818 kB, 22.11.2018

Code: mrl\_bdf100\_cn

**Operating instructions and Declaration of conformity** (en) 699 kB, 05.11.2018

Code: mrl\_bdf100\_en

**Operating instructions and Declaration of conformity** (pl) 733 kB, 20.03.2018

Code: mrl\_bdf100\_pl

**Operating instructions and Declaration of conformity** (fr) 680 kB, 26.11.2018

Code: mrl\_bdf100\_fr

**Operating instructions and Declaration of conformity** (jp) 815 kB, 07.07.2016

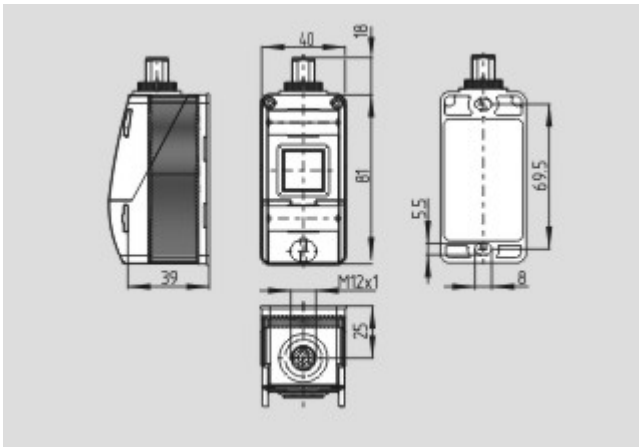
Code: mrl\_bdf100\_jp

**EAC certification** (ru) 779 kB, 05.10.2015

Code: q\_6043p17\_ru

## Images

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Dimensional drawing (basic component)

## System components

### Control elements



#### Push button / DT

- Push button
- with concave button
- Touch surface 19 x 19
- 1 Normally open contact (NO)
- 7 different colours available



#### Illuminated signal / LM

- **Illuminated signal**
- with concave illuminated surface
- Illuminated surface 19 x 19
- Lamp replacement at the front
- 5 different colours available
- LED replacement at the front



#### Illuminated pushbutton / LT

- **Illuminated signal**
- with concave button
- Touch surface 19 x 19
- Lamp replacement at the front
- 5 different colours available



#### Selector switch / Selector switch W0

- Selector switch / Selector switch
- Version with default knob



#### Key - Selector switch / Selector switch SW20

- Key - Selector switch / Selector switch
- Version with high-grade cylinder lock therefore here also IP65

The data and values have been checked thoroughly. Technical modifications and errors excepted.  
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