

Stop switch

Equipment consisting of (schematic overview)



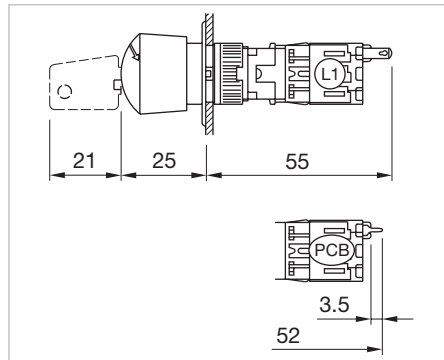
Actuator



Fixing nut



Switching element

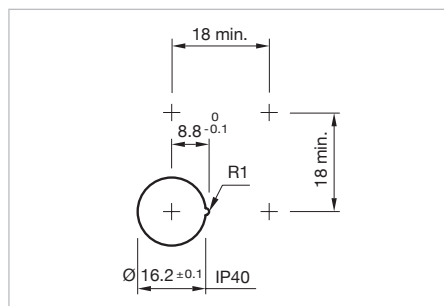


Dimensions [mm]  
L1 = Solder terminal 2.8 x 0.5 mm,  
PCB = Print terminal



Product can differ from the current configuration.



Each Part Number listed below includes all the black components shown in the 3D-drawing.





Mounting cut-outs [mm]

Additional Information

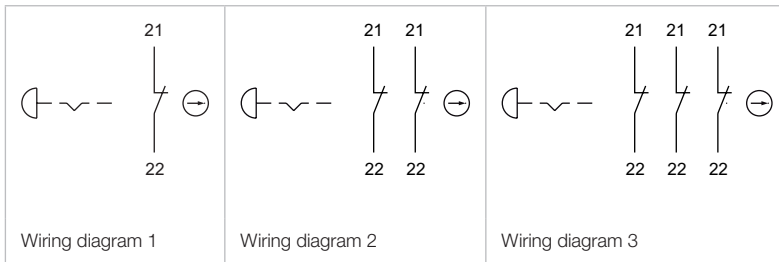
- Lens plastic red, translucent mushroom
- Standard lock B2 390
- Further lock numbers see «Technical data»
- Use the location strip no. 260-0020-00 for anti-twisting of the front bezel. At momentary position the overturning force is max. 60 Nm.

Product attribute	Front protection	Switching system	Behind panel depth	Contacts	Terminal	Part No.	Component layout	Wiring diagram	Weight
 <p><b>Stop switch, Front dimension Ø 24 mm</b></p>									
Twist to unlock clockwise	IP 40	Slow-make switching element	55 mm	1 NC	Solder 2.8 x 0.5 mm	<b>951F2000-00</b>		1	0.018 kg
				2 NC	Solder 2.8 x 0.5 mm	<b>952F2000-00</b>		2	0.019 kg
				3 NC	Solder 2.8 x 0.5 mm	<b>953F2000-00</b>		3	0.020 kg
 <p><b>Stop switch, Front dimension Ø 24 mm</b></p>									
Twist to unlock clockwise	IP 65	Slow-make switching element	55 mm	1 NC	Solder 2.8 x 0.5 mm	<b>951F2000-W0</b>		1	0.018 kg
				2 NC	Solder 2.8 x 0.5 mm	<b>952F2000-W0</b>		2	0.019 kg
				3 NC	Solder 2.8 x 0.5 mm	<b>953F2000-W0</b>		3	0.020 kg

# 55 Raised design

Product attribute	Front protection	Switching system	Behind panel depth	Contacts	Terminal	Part No.	Component layout	Wiring diagram	Weight
 <p><b>Stop switch, Front dimension Ø 24 mm</b></p>									
Key to unlock clockwise	IP 40	Slow-make switching element	55 mm	1 NC	Solder 2.8 x 0.5 mm	<b>961F2401-00</b>		1	0.030 kg
				2 NC	Solder 2.8 x 0.5 mm	<b>962F2401-00</b>		2	0.031 kg
				3 NC	Solder 2.8 x 0.5 mm	<b>963F2401-00</b>		3	0.032 kg
 <p><b>Stop switch, Front dimension Ø 24 mm</b></p>									
Key to unlock clockwise	IP 65	Slow-make switching element	55 mm	1 NC	Solder 2.8 x 0.5 mm	<b>961F2401-W0</b>		1	0.030 kg
				2 NC	Solder 2.8 x 0.5 mm	<b>962F2401-W0</b>		2	0.031 kg
				3 NC	Solder 2.8 x 0.5 mm	<b>963F2401-W0</b>		3	0.032 kg


Contacts: NC = Normally closed  
 The component layouts you will find from page 107



## Spare key

### Additional Information





- Further lock numbers see «Technical data»
- At ordering indicate marked lock no

Product attribute	Part No.	Weight
 <p><b>Spare key</b></p>		
for keylock switch, keylock number B2 300	<b>240-2001-00</b>	0.005 kg
Stop pushbutton, keylock number B2 390	<b>240-3001-00</b>	0.005 kg

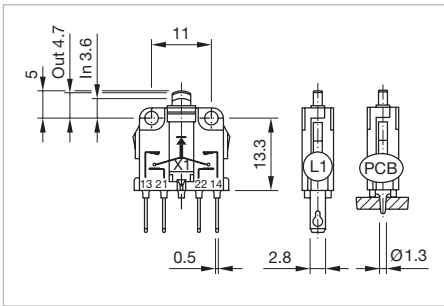
## Label for emergency-stop and stop switch

### Additional Information



- Other options on request

Front protection	Dimension	Marking	Colour	Part No.	Weight
 <p><b>Label for emergency-stop and stop switch</b></p>					
IP 40	Ø 43 mm	without	yellow	<b>200-1300-01</b>	0.002 kg
IP 65	Ø 43 mm	without	yellow	<b>61-9970.0</b>	0.002 kg
 <p><b>Label for emergency-stop and stop switch</b></p>					
IP 40	Ø 43 mm	NOT-AUS	yellow	<b>200-1300-02</b>	0.002 kg
		NOT HALT	yellow	<b>200-1300-08</b>	0.002 kg
IP 65	Ø 43 mm	NOT-AUS	yellow	<b>61-9970.1</b>	0.002 kg
		NOT HALT	yellow	<b>61-9970.6</b>	0.002 kg
 <p><b>Label for emergency-stop and stop switch</b></p>					
IP 40	Ø 43 mm	EMERGENCY STOP	yellow	<b>200-1300-03</b>	0.002 kg
IP 65	Ø 43 mm	EMERGENCY STOP	yellow	<b>61-9970.2</b>	0.002 kg
 <p><b>Label for emergency-stop and stop switch</b></p>					
IP 65	Ø 43 mm	ARRÊT D'URGENCE	yellow	<b>61-9970.3</b>	0.002 kg

## Snap-action switching element




Dimensions [mm]

Colour	Switching voltage	Switching current	Switching system	Contacts	Contact material	Terminal	Part No.	Weight
 <p><b>Snap-action switching element</b></p>								
black	250 VAC	5 A	Snap-action switching element	1 NC + 1 NO	Gold	Solder 2.8 x 0.5 mm	<b>201F0900-00</b>	0.003 kg
 <p><b>Snap-action switching element</b></p>								
black	250 VAC	5 A	Snap-action switching element	1 NC + 1 NO	Gold	PCB	<b>221F0900-0P</b>	0.003 kg

Contacts: NC = Normally closed, NO = Normally open

## Slow-make switching element for stop switch

Colour	Switching voltage	Switching current	Switching system	Contacts	Contact material	Terminal	Part No.	Weight
 <p><b>Slow-make switching element for stop switch</b></p>								
black	250 VAC	5 A	Slow-make switching element	1 NC	Gold	Solder 2.8 x 0.5 mm	<b>211F0900-00</b>	0.003 kg

Contacts: NC = Normally closed

## Conventional free air thermal current $I_{th}$

5A from 1 to 3-poles switching element block

## Switch rating

as per EN IEC 61058-1

250V, 5A (non-inductive) up to 3 switching elements

250V, 1.5 A (inductive) up to 3 switching elements

5VAC/DC, 1 mA min.

## Environmental conditions

### Storage temperature

-40 °C ... +85 °C, as per EN IEC 60068

### Operating temperature

-25 °C ... +55 °C, as per EN IEC 60068-2

## Slow-make switching element Stop switch

### Switching system

Is equipped with rigid contact link. The slow-make element opens positively and simply consists of a double-break NC. The multi-layer contacts are designed for universal use and are gilded with a 2 µm gold coating. The Stop slow-make element is designed according to EN IEC 60947-5-1.

### Material

#### Housing

Frianyl (PA6)

#### Contacts

AgNi, 2 µm gold plated

#### Contact carrier

Brass or CuBe

### Mechanical characteristics

#### Terminals

Soldering terminal (also pluggable 2.8 x 0.5 mm) or PCB terminal, Brass gold plated

Wire cross-section 1.0 mm<sup>2</sup> max.

#### Contact opening width

> 2 x 1.5 mm

#### Mechanical lifetime

8000 cycles of operation

### Electrical characteristics

#### Rated Operational Voltage $U_e$

250 VAC, as per EN IEC 60947-1

#### Rated Insulation Voltage $U_i$

250 V, as per EN IEC 60947-1

#### Electrical life

8000 cycles of operation at 250 VAC, 1 A

#### Conventional free air thermal current $I_{th}$

5 A, as per EN IEC 60947-5-1

#### Switch rating

Switch rating AC with silver contact (gold plated), 250 VAC, 1 A, service category AC-15, as per EN IEC 60947-5-1

#### Short-circuit protection

Series-connected blow-out fuse 5 A gL

### Environmental conditions

#### Storage temperature

-40 °C ... +85 °C, as per EN IEC 60068

#### Operating temperature

-25 °C ... +55 °C, as per EN IEC 60068-2

## Diode element

### General

No switching function. Diodes are soldered into the switching element housing between the contact connections.

### Material

#### Housing

Frianyl (PA6)

### Mechanical characteristics

#### Terminals

Soldering terminal (also pluggable 2.8 x 0.5 mm), Brass gold plated

Wire cross-section 1.0 mm<sup>2</sup> max.

### Electrical characteristics

#### Diode

1N4007, rated current = 1.0 A, VRRM = 1000 V