**PUSHBUTTON**

**Choose one component from each of the colored sections to assemble a complete switch.**
For other options or further information please contact EAO Switch directly.

## Product Profile

**The Series 95 is a high quality switch range containing illuminated and non-illuminated momentary pushbuttons.**

**Technical drawings see pages 88-89**

- IP40 Protection
- Switch Rating, 50mA, 48VDC
- Suitable for mounting on PCB's with thickness of 1.5 to 2.5mm
- Switch held during the soldering process by the spring clip contacts
- Illumination using independent SMD LED's with PLCC housing (height 2.1mm) and a radiation angle of approx. 120°
- Lenses available: matt translucent or clear transparent in flat, concave or convex
- Available sizes are: 12.1mm, 15.2mm and 18.4mm square
- Greater than 5 million switch cycles
- Independent illumination allows for flexibility
- Silent operation as required in some audio/video applications

## ◎ Illuminated pushbutton

Diffuser, 12.1mm x 12.1mm (small)

| Color | Part No. |
|---|---|
| ● Red | 95-803.220 |
| ○ Yellow | 95-803.420 |
| ● Orange | 95-803.320 |
| ● Green | 95-803.520 |
| ● Blue | 95-803.620 |
| ○ White | 95-803.920 |
| | |
| | |
| | |
| | |

For complete switch also order ⊡ ♀ **A**

Diffuser, 15.2mm x 15.2mm (medium)

| Color | Part No. |
|---|---|
| ● Red | 95-805.220 |
| ○ Yellow | 95-805.420 |
| ● Orange | 95-805.320 |
| ● Green | 95-805.520 |
| ● Blue | 95-805.620 |
| ○ White | 95-805.920 |
| | |
| | |
| | |
| | |

For complete switch also order ⊡ ♀ **A**

## ◎ Illuminated pushbutton

Diffuser, 18.4mm x 18.4mm (large)

| Color | Part No. |
|---|---|
| ● Red | 95-804.220 |
| ○ Yellow | 95-804.420 |
| ● Orange | 95-804.320 |
| ● Green | 95-804.520 |
| ● Blue | 95-804.620 |
| ○ White | 95-804.920 |
| | |
| | |
| | |
| | |
| | |

For complete switch also order ⊡ ♀ **A**

## ⊡ Switching element

Switching element, 12.1mm x 12.1mm (small)

| Part No. |
|---|
| 95-313.000 |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

For complete switch also order ◎ **A**

Switching element, 15.2mm x 15.2mm (medium)

| Part No. |
|---|
| 95-515.000 |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

For complete switch also order ◎ **A**

Choose one component from each of the colored sections to assemble a complete switch.
For other options or further information please contact EAO Switch directly.
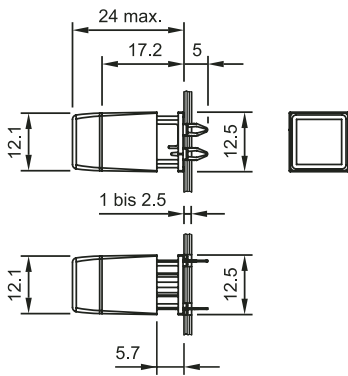
| BLOCK | LED | ACCESSORIES |

## Switching element



Switching element, 18.4mm x 18.4mm (large)

| Part No. |
| --- |
| 95-414.000 |

For complete switch also order ◎ **A**

## LED

Independent illumination with the Series 95 allows for end user flexibility. EAO recommends the following:

**SMD-LED type:**
P-LCC2 package or similar, radiation angle approx. 120º use of smaller SMD-LED is possible.

**SMD-LED configurations:**
max. 2 SMD-LED's (switch size 12.7mm)
max. 3 SMD-LED's (switch size 15.88mm or 19.05mm)
single color or multi color

**Height of SMD-LED:**
max.2.1mm

## A  Accessories



Lens flat, matt translucent or clear transparent, 12.1mm x 12.1mm (small)

| Color | Part No. | Lens shape | Lens material |
| --- | --- | --- | --- |
| ◯ Neutral | 95-703.720 | Flat | Matt translucent |
| ◯ Neutral | 95-703.750 | Flat | Clear transparent |

## A  Accessories



Lens flat, matt translucent or clear transparent, 15.2mm x 15.2mm (medium)

| Color | Part No. | Lens shape | Lens material |
| --- | --- | --- | --- |
| ◯ Neutral | 95-705.720 | Flat | Matt translucent |
| ◯ Neutral | 95-705.750 | Flat | Clear transparent |
| ◯ Neutral | 95-705.740 | Concave | Matt translucent |
| ◯ Neutral | 95-705.770 | Concave | Clear transparent |



Lens flat, matt translucent or clear transparent, 18.4mm x 18.4mm (large)

| Color | Part No. | Lens shape | Lens material |
| --- | --- | --- | --- |
| ◯ Neutral | 95-704.720 | Flat | Matt translucent |
| ◯ Neutral | 95-704.750 | Flat | Clear transparent |
| ◯ Neutral | 95-704.740 | Concave | Matt translucent |
| ◯ Neutral | 95-704.770 | Concave | Clear transparent |
| ◯ Neutral | 95-704.730 | Convex | Matt translucent |
| ◯ Neutral | 95-704.760 | Convex | Clear transparent |



Lens remover and mounting tool for use with all three switch sizes

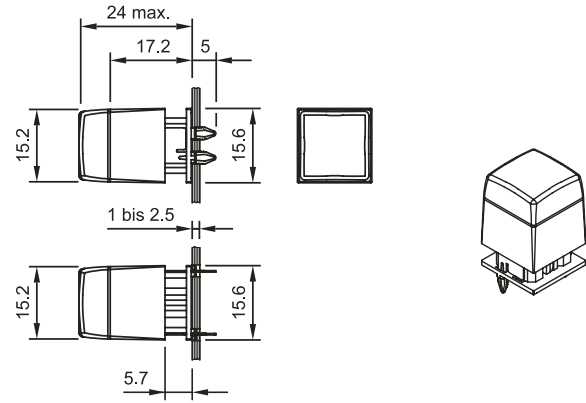| Image | Part No. | Product description |
| --- | --- | --- |
| 1 | 95-900.009 | Mounting tool |
| 2 | 95-900.005 | Lens remover |

## 95 Pushbutton
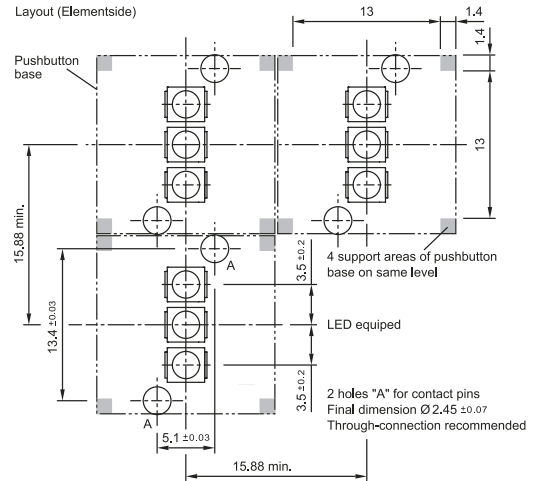
Small



## 95 Pushbutton

Medium



## 95 Pushbutton

Large

## 95 Pushbutton Cut-outs

### Small

Layout (Elementside)

Pushbutton base

10.2

1.4

1.4

10.2

12.7 min.

10.2 ±0.03

A

4 support areas of pushbutton base on same level

LED equiped

3.5 ±0.2

A

5.1 ±0.03

2 holes "A" for contact pins
Final dimension Ø 2.45 ±0.07
Through-connection recommended

12.7 min.
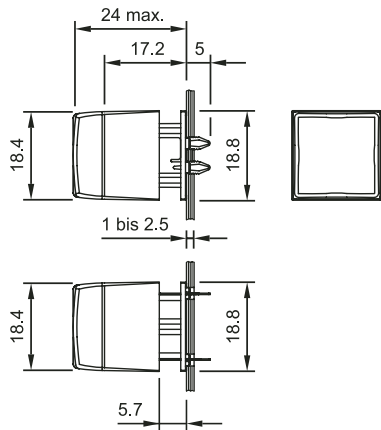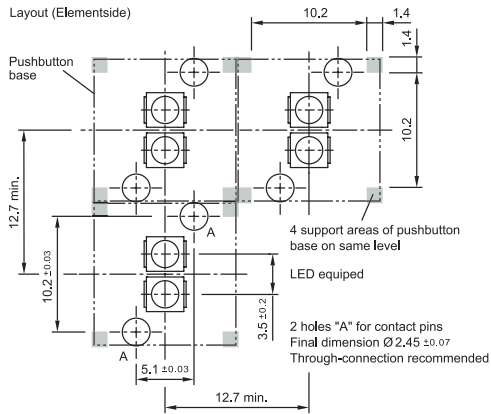
## 95 Pushbutton Cut-outs

### Medium

Layout (Elementside)

Pushbutton base

13

1.4

1.4

13

15.88 min.

13.4 ±0.03

A

3.5 ±0.2

4 support areas of pushbutton base on same level

LED equiped

3.5 ±0.2

A

5.1 ±0.03

2 holes "A" for contact pins
Final dimension Ø 2.45 ±0.07
Through-connection recommended

15.88 min.

## 95 Pushbutton Cut-outs

### Large

Layout (Elementside)

Pushbutton base

16

1.4

1.4

16

19.05 min.

14 ±0.03

A

3.5 ±0.2

4 support areas of pushbutton base on same level

LED equiped

3.5 ±0.2

A

5.1 ±0.03

2 holes "A" for contact pins
Final dimension Ø 2.45 ±0.07
Through-connection recommended

19.05 min.