Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.

| O. Illuminated pushbutton |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



Accessories


Diffuser, $15.2 \mathrm{~mm} \times 15.2 \mathrm{~mm}$ (medium)

|  | Part No. |  | Part No. |
| :---: | :---: | :---: | :---: |
| Red | 95-805.220 | - Red | 95-804.220 |
| O Yellow | 95-805.420 | O Yellow | 95-804.420 |
| Orange | 95-805.320 | Orange | 95-804.320 |
| Green | 95-805.520 | Green | 95-804.520 |
| Olue | 95-805.620 | Oblue | 95-804.620 |
| OWhite | 95-805.920 standard | OWhite | 95-804.920 standard |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Switching element



Front measurements, $12.1 \mathrm{~mm} \times 12.1 \mathrm{~mm}$ (small) PCP measurements $12.7 \mathrm{~mm} \times 12.7 \mathrm{~mm}$

Part No.
95-313.000

## Switching element



Front measurements, $15.2 \mathrm{~mm} \times 15.2 \mathrm{~mm}$ (medium) PCP measurements $15.88 \mathrm{~mm} \times 15.88 \mathrm{~mm}$

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


| Front measurements, $18.4 \mathrm{~mm} \times 18.4 \mathrm{~mm}$ (medium) |
| :--- |
| PCP measurements $19.05 \mathrm{~mm} \times 19.05 \mathrm{~mm}$ |
| Part No. $95-414.000$ |

## LED

Please note that EAO does not offer LED's for this product. The required specification is detailed below

## SMD-LED type:

P-LCC package or similar, radiation angle approx. $120^{\circ}$ use of smaller SMD-LED is possible.

## SMD-LED configurations:

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

## Height of SMD-LED:

max. 2.1 mm

Choose one component from each of the coloured sections to assemble a complete switch.
For other options or further information please contact your local sales office.
PUSHBUTTON

## Accessories



Accessories


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 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Pushbutton- and Illuminated pushbutton

Switching system
Gold plated momentary contact, 1 normally open, self-cleaning

## Material

Plastic items
PC, as per UL 94 HB, Cd-free

## Material of contacts

CuSn, contact gold-plated, soldering terminal tinned
Mechanical characteristics

## Actuating travel <br> 4.5 mm

## Actuating force

3 N to end position

## Switching point

at $2.3 \pm 0.8 \mathrm{~mm}$ operation

## Life time

$>5$ million operations, as per IEC 60512-5-9a

## Electrical characteristics

## Illumination

recommended SMD-LED types:
P-LCC package or similar, radiation angle approx. $120^{\circ}$; use of smaller
SMD-LED is possible
SMD-LED configurations size:
max. 2 SMD-LEDs for switch size 12.70 mm
max. 3 SMD-LEDs for switch size 15.88 mm and 19.05 mm , single
colour or multi-colour
Height of SMD-LED:
max. 2.1 mm

## Switch rating

$\min .1 \mathrm{mVDC}, 100 \mu \mathrm{~A}$
max. $48 \mathrm{VDC}, 50 \mathrm{~mA}$
Electric strength
$\leq 50 \mathrm{~m} \Omega$, as per IEC 60512-2-2b at new state
Isolation resistance
$>1 \mathrm{~T} \Omega$, as per IEC 60512-2-3a between contacts
Electric strength
2.5kVAC, as per IEC 60512-2-11

## Environmental characteristics

Front protection
IP40 before front plate for complete switch

## Operating temperature

$-25^{\circ} \mathrm{C} \ldots+70^{\circ} \mathrm{C}$
Storage temperature
$-40^{\circ} \mathrm{C} . .+80^{\circ} \mathrm{C}$
Vibration resistance
10 g , at $10-2000 \mathrm{~Hz}, 0.75 \mathrm{~mm}$, as per IEC 60512-4-4
Shock resistance
$50 \mathrm{~g}, 11 \mathrm{~ms}$, as per IEC 60512-4-3


95 Pushbutton
Large



95 PCB Layout
Large


