

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 51 is a high quality switch range that includes pushbuttons, indicators, illuminated selector switches and keylock switches. It is possible to choose up to 4NO/4NC snap-action switching elements per switch. Low level switching elements are also available.

Technical drawings see pages 56-57

- IP65 Protection
- Switch Rating, 5A, 250VAC
- Raised Mounting into 16mm cut out
- Illumination using midget-grooved T-1 $\frac{1}{3}$  lamps or single chip LED's
- All standard lenses are transparent with translucent white diffusers, and are available in different colors
- For keylock switches 2 key systems and 145 different key codes are available
- QC versions also available

## Indicator



Indicator bodies, raised in round, square and rectangular, black plastic, 16mm mounting, solder terminals

| Image | Part No.   | Size      |
|-------|------------|-----------|
| 1     | 51-040.005 | 18 x 24mm |
| 2     | 51-050.005 | 18 x 18mm |
| 3     | 51-030.005 | 18mm Ø    |

## Illuminated pushbutton



Illuminated pushbutton, snap-action, raised, rectangular, black plastic, 16mm mounting, solder terminals, gold over silver contacts

| Part No.   | Action     | Contact type | Size      |
|------------|------------|--------------|-----------|
| 51-121.025 | Momentary  | 1NO/1NC      | 18 x 24mm |
| 51-122.025 | Momentary  | 2NO/2NC      | 18 x 24mm |
| 51-261.025 | Maintained | 1NO/1NC      | 18 x 24mm |
| 51-262.025 | Maintained | 2NO/2NC      | 18 x 24mm |

For complete switch also order **A**

For complete switch also order **A**

## Illuminated pushbutton



Illuminated pushbutton, snap-action, raised, square, black plastic, 16mm mounting, solder terminals, gold over silver contacts

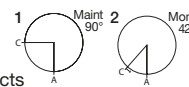
| Part No.   | Action     | Contact type | Size      |
|------------|------------|--------------|-----------|
| 51-151.025 | Momentary  | 1NO/1NC      | 18 x 18mm |
| 51-152.025 | Momentary  | 2NO/2NC      | 18 x 18mm |
| 51-281.025 | Maintained | 1NO/1NC      | 18 x 18mm |
| 51-282.025 | Maintained | 2NO/2NC      | 18 x 18mm |

For complete switch also order **A**

## Keylock switch



Keylock switch, 2 position, raised, snap-action, round, black plastic, 18mm Ø, solder terminals, gold over silver contacts



| Part No.   | Action     | Contact type | Size   |
|------------|------------|--------------|--------|
| 51-131.025 | Momentary  | 1NO/1NC      | 18mm Ø |
| 51-132.025 | Momentary  | 2NO/2NC      | 18mm Ø |
| 51-271.025 | Maintained | 1NO/1NO      | 18mm Ø |
| 51-272.025 | Maintained | 2NO/2NC      | 18mm Ø |

For complete switch also order **A**

| Drawing | Part No.    | Contact type | Key rem. |
|---------|-------------|--------------|----------|
| 1       | 51-135.025D | 1NO/1NC      | A+C      |
| 1       | 51-136.025D | 2NO/2NC      | A+C      |
| 1       | 51-235.025D | 1NO/1NC      | A        |
| 1       | 51-335.025D | 1NO/1NC      | C        |
| 2       | 51-141.025D | 1NO/1NC      | A        |

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**Keylock switch**

| <p>Keylock switch, 2 position, raised, snap-action, square, black plastic, 18 x 18mm, solder terminals, gold over silver contacts</p> |             |              |          | <p>Keylock switch, 2 position, raised, snap-action, rectangular, black plastic, 18 x 24mm, solder terminals, gold over silver contacts</p> |             |              |          | <p>Keylock switch, 3 position, raised, snap-action, rectangular, black plastic, 18 x 24mm, solder terminals, gold over silver contacts</p> |             |              |           |
|---|-------------|--------------|----------|--|-------------|--------------|----------|--|-------------|--------------|-----------|
| 1   | 2           | 1            | 2        | 3  | 4           |              |          |  |             |              |           |
|   |             |              |          |  |             |              |          |  |             |              |           |
| Maint 90°   | Mom 42°     | Maint 90°    | Mom 42°  | Maint 90°  | Mom 42°     |              |          |  |             |              |           |
| Drawing   | Part No.    | Contact type | Key rem. | Drawing  | Part No.    | Contact type | Key rem. | Drawing  | Part No.    | Contact type | Key rem.  |
| 2   | 51-145.025D | 1NO/1NC      | A        | 1  | 51-195.025D | 1NO/1NC      | A+C      | 3  | 51-361.022D | 2x 1NO/1NC   | A         |
| 2   | 51-146.025D | 2NO/2NC      | A        | 1  | 51-196.025D | 2NO/2NC      | A+C      | 3  | 51-362.022D | 2x 2NO/2NC   | C + A + B |
| 1   | 51-155.025D | 1NO/1NC      | A+C      | 1  | 51-295.025D | 1NO/1NC      | A        | 4  | 51-364.022D | 2x 1NO/1NC   | A         |
| 1   | 51-255.025D | 1NO/1NC      | A        | 1  | 51-296.025D | 2NO/2NC      | A        |  |             |              |           |
| 1   | 51-355.025D | 1NO/1NC      | C        | 1  | 51-395.025D | 1NO/1NC      | C        |  |             |              |           |
|   |             |              |          | 1  | 51-396.025D | 2NO/2NC      | C        |  |             |              |           |
|   |             |              |          | 2  | 51-495.025D | 1NO/1NC      | A        |  |             |              |           |
|   |             |              |          | 2  | 51-496.025D | 2NO/2NC      | A        |  |             |              |           |

**Selector switch**

**LED**

|  |         |           |         |  |              |                  |  |   |  |  |
|--|---------|-----------|---------|--|--------------|------------------|--|---|--|--|
| <p>Selector switch, 2 position, raised, snap-action, round, black plastic, 18mm Ø, solder terminals, gold over silver contacts</p> |         |           |         | <p>Selector switch, 3 position, raised, snap-action, round, black plastic, 18mm Ø, solder terminals, gold over silver contacts</p> |              |                  |  | <p>LED, T-1 3/4 MG, single chip, 12 Volt and 28 Volt. Also available in 6 Volt, 24 Volt and 48 Volt</p> |  |  |
| 5  | 6       | 7         | 8       | Color  | Part No.     | Voltage          |  |   |  |  |
|  |         |           |         |  | 10-2J09.1062 | 12VAC/DC, 7/14mA |  |   |  |  |
| Mom 42°  | Mom 90° | Maint 90° | Mom 42° |  | 10-2J09.1064 | 12VAC/DC, 7/14mA |  |   |  |  |
|  |         |           |         |  | 10-2J09.1065 | 12VAC/DC, 4/7mA  |  |   |  |  |
|  |         |           |         |  | 10-2J09.1066 | 12VAC/DC, 7/14mA |  |   |  |  |
|  |         |           |         |  | 10-2J09.1069 | 12VAC/DC, 7/14mA |  |   |  |  |
|  |         |           |         |  | 10-2J13.1062 | 28VAC/DC, 7/14mA |  |   |  |  |
|  |         |           |         |  | 10-2J13.1064 | 28VAC/DC, 7/14mA |  |   |  |  |
|  |         |           |         |  | 10-2J13.1065 | 28VAC/DC, 4/7mA  |  |   |  |  |
|  |         |           |         |  | 10-2J13.1066 | 28VAC/DC, 7/14mA |  |   |  |  |
|  |         |           |         |  | 10-2J13.1069 | 28VAC/DC, 7/14mA |  |   |  |  |

For complete switch also order **A**

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## A Accessories



Lens, opaque for rectangular pushbutton actuators, not for illumination

| Color   | Part No. | Size      |
|---------|----------|-----------|
| ● Black | 51-901.0 | 18 x 24mm |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |



Lens, front transparent with white diffuser for rectangular indicator and pushbutton actuators

| Color    | Part No. | Size      |
|----------|----------|-----------|
| ● Red    | 51-903.2 | 18 x 24mm |
| ● Yellow | 51-903.4 | 18 x 24mm |
| ● Green  | 51-903.5 | 18 x 24mm |
| ● Blue   | 51-903.6 | 18 x 24mm |
| ○ Clear  | 51-903.7 | 18 x 24mm |
|          |          |           |
|          |          |           |
|          |          |           |
|          |          |           |
|          |          |           |



Lens, opaque for square pushbutton actuators, not for illumination

| Color   | Part No. | Size      |
|---------|----------|-----------|
| ● Black | 51-951.0 | 18 x 18mm |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |
|         |          |           |

## A Accessories



Lens, front transparent with white diffuser for square indicator and pushbutton actuators

| Color    | Part No. | Size      |
|----------|----------|-----------|
| ● Red    | 51-953.2 | 18 x 18mm |
| ● Yellow | 51-953.4 | 18 x 18mm |
| ● Green  | 51-953.5 | 18 x 18mm |
| ● Blue   | 51-953.6 | 18 x 18mm |
| ○ Clear  | 51-953.7 | 18 x 18mm |
|          |          |           |
|          |          |           |
|          |          |           |
|          |          |           |
|          |          |           |



Lens, opaque for round pushbutton actuators, not for illumination

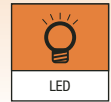
| Color   | Part No. | Size   |
|---------|----------|--------|
| ● Black | 51-931.0 | 18mm Ø |
|         |          |        |
|         |          |        |
|         |          |        |
|         |          |        |
|         |          |        |
|         |          |        |
|         |          |        |
|         |          |        |
|         |          |        |






Lens, front transparent with white diffuser for round indicator and pushbutton actuators

| Color    | Part No. | Size   |
|----------|----------|--------|
| ● Red    | 51-933.2 | 18mm Ø |
| ● Yellow | 51-933.4 | 18mm Ø |
| ● Green  | 51-933.5 | 18mm Ø |
| ● Blue   | 51-933.6 | 18mm Ø |
| ○ Clear  | 51-933.7 | 18mm Ø |
|          |          |        |
|          |          |        |
|          |          |        |
|          |          |        |
|          |          |        |

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### A Accessories

|  |           |             |  |          |           |  |          |           |
|---|-----------|-------------|--|----------|-----------|---|----------|-----------|
|   |           |             |  |          |           |   |          |           |
| Color   | Part No.  | Window      | Image  | Part No. | Size      | Image   | Part No. | Size      |
| ● Black   | 52-928.0  | Opaque      | 1  | 51-925   | 18 x 24mm | 1   | 51-947.0 | 18 x 24mm |
| ● Red   | 52-928.20 | Transparent | 2*   | 51-920   | 18 x 18mm | 2   | 51-948.0 | 18 x 18mm |
| ● Yellow  | 52-928.40 | Transparent |  |          |           | 3   | 51-949.0 | 18mm Ø    |
| ● Green   | 52-928.50 | Transparent |  |          |           |   |          |           |
| ● Blue  | 52-928.60 | Transparent |  |          |           |   |          |           |
|   |           |             | *Can be used with round pushbuttons  |          |           |   |          |           |

### A Accessories



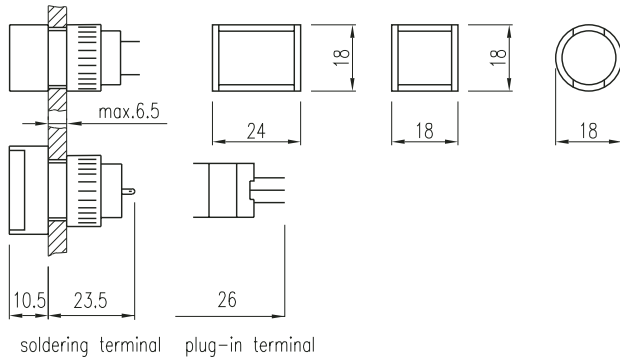
Mounting tool, lens and LED remover

| Image | Part No.  | Product description |
|-------|-----------|---------------------|
| 1     | 01-907    | Mounting tool       |
| 2     | 02-905    | Lens remover        |
| 3     | 61-9740.0 | LED remover         |
| 4     | 02-906    | Lamp remover        |



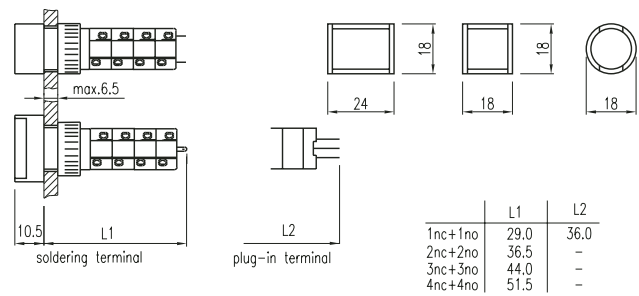
## 51 Indicator

Raised



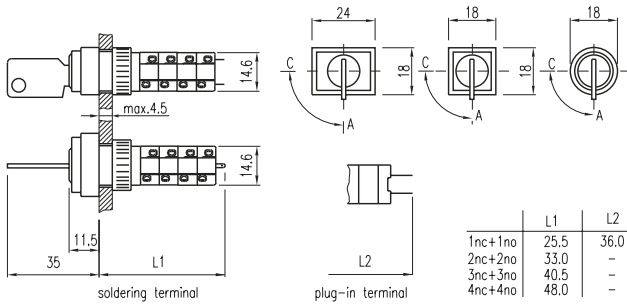
## 51 Pushbutton

Raised, Round, Square, Rectangular



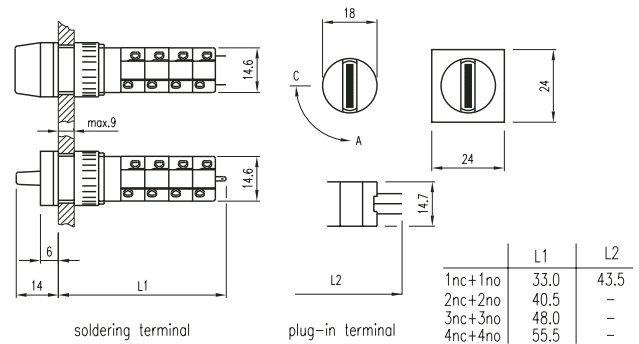
## 51 Keylock

Raised, 2-Position, Round, Square, Rectangular



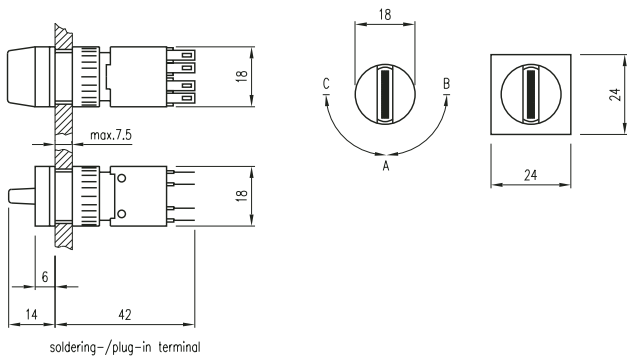
## 52 Selector

Raised, 2-Position, Round



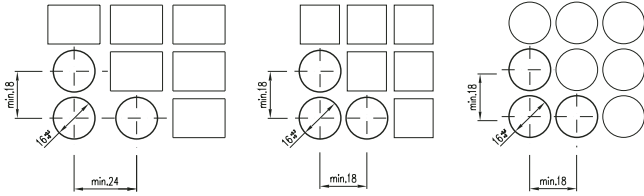
## 52 Selector

Raised, 3-Position, Round



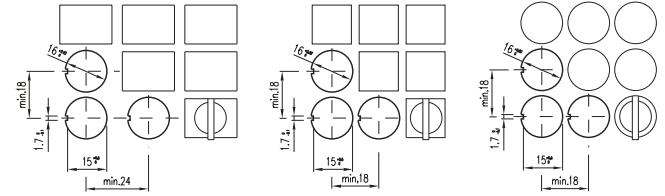
## 51 Cut-outs

Indicator, Pushbutton, Round, Square, Rectangular



## 51 Cut-outs

Keylock 2-Position Round, Keylock 2-Position Square, Keylock 2-Position Rectangular, 2 & 3-Position Selector Round



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