

### Illuminated button actuators, spring return



LPC BL10...



LPC BL20...

| Order code | Colour | Qty per pkg | Wt   |
|------------|--------|-------------|------|
|            |        | n°          | [kg] |

Flush (without mounting adapter).  
Spring return.

|           |             |    |       |
|-----------|-------------|----|-------|
| LPC BL103 | Green       | 10 | 0.025 |
| LPC BL104 | Red         | 10 | 0.025 |
| LPC BL105 | Yellow      | 10 | 0.025 |
| LPC BL106 | Blue        | 10 | 0.025 |
| LPC BL107 | Transparent | 10 | 0.025 |

Extended (without mounting adapter). Spring return.

|           |             |    |       |
|-----------|-------------|----|-------|
| LPC BL203 | Green       | 10 | 0.027 |
| LPC BL204 | Red         | 10 | 0.027 |
| LPC BL205 | Yellow      | 10 | 0.027 |
| LPC BL206 | Blue        | 10 | 0.027 |
| LPC BL207 | Transparent | 10 | 0.027 |

### Illuminated push-push button actuators



LPC QL10...



LPC QL20...

| Order code | Colour | Qty per pkg | Wt   |
|------------|--------|-------------|------|
|            |        | n°          | [kg] |

Flush (without mounting adapter).  
Push on-push off.

|           |             |    |       |
|-----------|-------------|----|-------|
| LPC QL103 | Green       | 10 | 0.025 |
| LPC QL104 | Red         | 10 | 0.025 |
| LPC QL105 | Yellow      | 10 | 0.025 |
| LPC QL106 | Blue        | 10 | 0.025 |
| LPC QL107 | Transparent | 10 | 0.025 |

Extended (without mounting adapter).  
Push on-push off.

|           |             |    |       |
|-----------|-------------|----|-------|
| LPC QL203 | Green       | 10 | 0.027 |
| LPC QL204 | Red         | 10 | 0.027 |
| LPC QL205 | Yellow      | 10 | 0.027 |
| LPC QL206 | Blue        | 10 | 0.027 |
| LPC QL207 | Transparent | 10 | 0.027 |

❶ Use contact elements LPX C10A (EM) and LPXC01 (NC) only.  
Contact elements LPX C10 (NO) and LPX C01D (LB) cannot be fitted on these actuators.

### Illuminated mushroom head button actuators



LPC BL614...



LPC BL664...

| Order code | Colour | Qty per pkg | Wt   |
|------------|--------|-------------|------|
|            |        | n°          | [kg] |

SPRING RETURN.  
Ø40mm/1.6in (without mounting adapter).

|            |        |    |       |
|------------|--------|----|-------|
| LPC BL6143 | Green  | 10 | 0.035 |
| LPC BL6144 | Red    | 10 | 0.035 |
| LPC BL6145 | Yellow | 10 | 0.035 |
| LPC BL6146 | Blue   | 10 | 0.035 |
| LPC BL6148 | White  | 1  | 0.035 |

LATCH, TURN TO RELEASE.  
Ø40mm/1.6in (without mounting adapter).  
For normal stopping.

|            |        |   |       |
|------------|--------|---|-------|
| LPC BL6643 | Green  | 1 | 0.040 |
| LPC BL6645 | Yellow | 1 | 0.040 |
| LPC BL6646 | Blue   | 1 | 0.040 |

For emergency stopping, ISO 13850 compliant.

|            |     |    |       |
|------------|-----|----|-------|
| LPC BL6644 | Red | 10 | 0.040 |
|------------|-----|----|-------|

#### Operational characteristics

- Any mounting position allowed
- Ambient conditions:
  - Operating temperature: -25...+70°C
  - Storage temperature: -40...+85°C
- Degree of protection:
  - Per IEC/EN: IP66, IP67 and IP69K
  - Per UL/CSA: Type 1, 2, 3R, 4, 4X, 12, 12K.

#### Materials

Polyamide.

#### Mechanical endurance

- Operating force: <0.5kg / 1.1lb (actuator).  
Mechanical life:
- Spring-return actuators (flush, extended, mushroom head): 5,000,000 cycles
  - Push-push actuators: 500,000 cycles
  - Latch mushroom-head actuators: 300,000 cycles.

#### Mounting adapter

See page 7-18.  
Type: LPX AU120.  
Actuators are installed through a Ø22mm/Ø0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm / 1.69lbf) also on the cover of LPZ control stations.  
The mounting adapter directly snaps onto the actuator.

#### Contact elements for illuminated spring-return and mushroom-head latch actuators

See page 7-18, 7-21 or 7-22.

| Type | Termination |
|------|-------------|
| 1NO  | LPX C10     |
|      | LPX CF10    |
|      | LPXCS10     |
| 1EM  | LPX C10A    |
| 1NC  | LPX C01     |
|      | LPX CF01    |
|      | LPX CS01    |
| 1LB  | LPX C01D    |

Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately).  
For TYPES LPC BL1/BL2/BL61... up to 6 contacts can be fitted: 3 each on the left and right, one behind the other.  
For TYPES LPC BL66... up to 4 contacts can be fitted: 2 each on the left and right, one behind the other of which 3 NO contacts max only.  
They can also be fitted internally on the cover surface of LPZ control stations, up to 2 elements per actuator in addition to the LED element in the middle position.

|     |          |              |
|-----|----------|--------------|
| 1NO | LPX C10  | Screw        |
|     | LPX CF10 | Faston       |
|     | LPXCS10  | Spring clamp |
| 1EM | LPX C10A | Screw        |
| 1NC | LPX C01  | Screw        |
|     | LPX CF01 | Faston       |
|     | LPX CS01 | Spring clamp |
| 1LB | LPX C01D | Screw        |

Base-mount types snap into LPZ control station base.  
See example on page 7-25.  
Up to 2 contacts can be fitted per control station actuator in addition to the LED element in the middle position.

|     |          |       |
|-----|----------|-------|
| 1NO | LPX CB10 | Screw |
| 1NC | LPX CB01 | Screw |

#### Contact elements for illuminated push-push button actuators

See page 7-18.  
Type: LPX C10A (1EM early make, screw terminals)  
LPX C01 (1NC, screw terminals)

Contacts snap onto LPX AU120 adapter and also internally on the cover surface of LPZ control stations.  
Up to 4 contacts can be fitted: 2 each on the left and right, one behind the other; up to 2 elements per control station actuator in addition to the LED element in the middle position.

#### LED light elements

See pages 7-20 to 22.

#### Certifications and compliance

Certifications obtained: UL Listed for USA and Canada (cULus - File E93601), as Auxiliary Devices; EAC, CCC.  
Pending at time of catalogue printing: RINA.  
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.