

Double-touch actuators, spring return, white indicator



LPC BL71...



LPC BL72...



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

Two flush pushbuttons (without mounting adapter). Both spring return.

LPC BL7112	Black/Red	—	5	0.030
LPC BL7113	Green/Red	—	5	0.030
LPC BL7114	White/Black	—	1	0.030
LPC BL7122	Black/Red	I-O	5	0.030
LPC BL7123	Green/Red	I-O	5	0.030
LPC BL7124	White/Black	I-O	5	0.030
LPC BL7133	Green/Red	Start/Stop	5	0.030

One extended and one flush pushbuttons (without mounting adapter). Both spring return.

LPC BL7212	Black/Red	—	1	0.030
LPC BL7213	Green/Red	—	5	0.030
LPC BL7214	White/Black	—	1	0.030
LPC BL7222	Black/Red	I-O	1	0.030
LPC BL7223	Green/Red	I-O	5	0.030
LPC BL7224	White/Black	I-O	5	0.030
LPC BL7233	Green/Red	Start/Stop	5	0.030

Illuminated selector switch actuators



LPC SL1...



Order code	Colour	Type of positions	Qty per pkg	Wt
			n°	[kg]

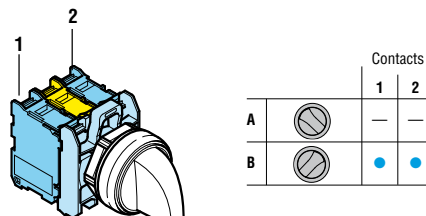
2 position (without mounting adapter).

LPC SL1203	Green	∨	10	0.025
LPC SL1204	Red		10	0.025
LPC SL1205	Yellow		10	0.025
LPC SL1206	Blue		10	0.025
LPC SL1208	White		10	0.025
LPC SL1213	Green	∩	10	0.025
LPC SL1214	Red		1	0.025
LPC SL1215	Yellow		1	0.025
LPC SL1216	Blue		1	0.025
LPC SL1218	White		10	0.025

3 position (without mounting adapter).

LPC SL1303	Green	∨	10	0.025
LPC SL1304	Red		1	0.025
LPC SL1305	Yellow		1	0.025
LPC SL1306	Blue		1	0.025
LPC SL1308	White		1	0.025
LPC SL1313	Green	∩	10	0.025
LPC SL1314	Red		1	0.025
LPC SL1315	Yellow		1	0.025
LPC SL1316	Blue		1	0.025
LPC SL1318	White		1	0.025
LPC SL1323	Green	∩	10	0.025
LPC SL1324	Red		1	0.025
LPC SL1325	Yellow		1	0.025
LPC SL1326	Blue		1	0.025
LPC SL1328	White		1	0.025
LPC SL1333	Green	∩	10	0.025
LPC SL1334	Red		1	0.025
LPC SL1335	Yellow		1	0.025
LPC SL1336	Blue		1	0.025
LPC SL1338	White		10	0.025

Contact activation of 2-position selector switch



Operational characteristics

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

Materials

Polyamide.

Mechanical endurance

Operating force: <0.5kg / 1.1lb (actuator).

Mechanical life:

- Double-touch actuators: 1,000,000 cycles.
- Selector switches: 1,000,000 cycles.

Mounting adapter

See page 7-12.

Type: LPX AU120.

Actuators are installed through a Ø22mm/Ø0.87In drilling with a threaded fixing ring (Tmax = 2.3Nm / 1.69lbf). The mounting adapter directly snaps onto the actuator.

Contact elements

See page 7-12.

Type: LPX C10 (1NO)
 LPX CF10 (1NO Faston)
 LPX C10A (1EM)
 LPX C01 (1NC)
 LPX CF01 (1NC Faston)
 LPX C01D (1LB)

Contact elements snap onto the mounting adapter.

DOUBLE-TOUCH ACTUATORS

Up to 6 contact elements can be fitted on the mounting adapter: 3 on the left and 3 on the right.

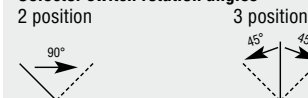
SELECTOR SWITCH ACTUATORS

On the 2 and 3-position illuminated selectors, up to 4 contact elements can be fitted on the mounting adapter: 2 on the left and 2 on the right.

Selector switch type of positions

- ∨ Maintained position.
- ∩ Spring return position.

Selector switch rotation angles



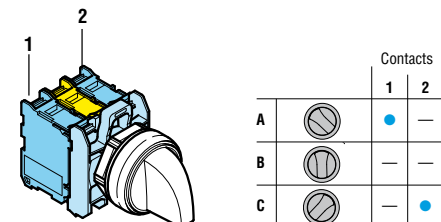
Lamp-holder elements

See page 7-13.

Certifications and compliance

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

Contact activation of 3-position selector switch



Mounting adapter



LPX AU120



Order code	Description	Qty per pkg	Wt
		n°	[kg]
LPX AU120	Mounting adapter	10	0.019

Contact elements

7-12



LPX C...



Order code	Function	Qty per pkg	Wt
	All SPST	n°	[kg]

Screw termination.
 Without mounting adapter.

LPX C10Ⓢ	1.3 1.4 NOⓈ	10	0.011
LPX C10A	1.7 1.8 EMⓈ	10	0.011
LPX C01⊖	1.1 1.2 NCⓈ	10	0.011
LPX C01DⓈ⊖	1.5 1.6 LBⓈⓈ	10	0.011



LPX E...



Screw termination.
 With mounting adapter.

LPX E10Ⓢ	1.3 1.4 NOⓈ	10	0.029
LPX E01 ⊖	1.1 1.2 NCⓈ	10	0.029



LPX CF01 LPX CF10



Faston termination.
 Without mounting adapter.

LPX CF10Ⓢ	1.3 1.4 NOⓈ	10	0.012
LPX CF01 ⊖	1.1 1.2 NCⓈ	10	0.012

- Ⓢ Not suitable for push-push actuators. Use LPX C10A (EM) or LPX C01 (NC) type only with push-push actuators.
- Ⓢ Normally open contact with early make operation.
- ⊖ Direct opening operation ⊖ in accordance with IEC/EN 60947-5-1.
- Ⓢ Normally closed contact with late break operation.

Operational characteristics

- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Any mounting position is allowed.
- Degree of protection per IEC/EN:
 - IP20 for contacts elements with screw termination
 - IP00 for contact elements with Faston termination.
- Tightening torque: 1Nm/0.74lbf max (except Faston).

General characteristics of contact elements

Self cleaning, dual scraping-oscillating action
 IEC rated insulation voltage: 690V
 IEC rated thermal current Ith: 10A
 Conductivity: 5V 1mA
 UL/CSA and IEC/EN 60947-5-1 designation: A600 Q600.
 IEC operational power in AC15:

[V]	12	24	48	120	240	400	480	500	600
[A]	6	6	6	6	3	1.9	1.5	1.4	1.2

IEC operational power in DC13:

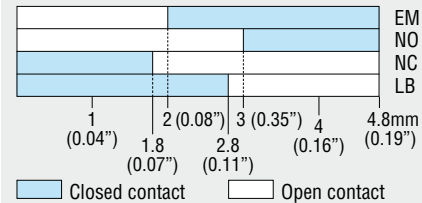
[V]	12	24	48	125	250	440	500	600
[A]	3	3	1.5	0.55	0.27	0.15	0.13	0.1

Short-circuit protection fuse: max calibre 10A gG/SC.

Contact resistance: ≤20mΩ.

Terminals: Clamp screw with washer
 Faston 1-6.35mm(0.25in) or 2-2.8mm (0.11in).

Stroke of contact elements

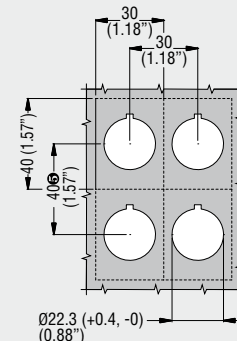


Maximum conductor cross section for screw terminals
 1 or 2 2.5mm² or AWG14 cables.

Mechanical and electrical endurance

Operating force: ≤0.5kg / 1.1lb (auxiliary contacts).
 Electrical life:

LPX C10	1,000,000 cycles
LPX CF10	1,000,000 cycles
LPX C01	1,000,000 cycles
LPX CF01	1,000,000 cycles
LPX C10A	600,000 cycles
LPX C01D	600,000 cycles.



Ⓢ When using Faston, pitch is 85mm / 3.35in minimum.

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LED integrated lamp-holders steady or flashing light



LPX L...



Order code	Rated auxiliary supply voltage	LED colour	Qty per pkg	Wt
	[V]		n°	[kg]

Steady light.
Protected version.
Supplied without mounting adapter.

LPX LP B3	18-30V AC/DC	Green	10	0.016
LPX LP B4		Red	10	0.016
LPX LP B5		Yellow	10	0.016
LPX LP B6		Blue	10	0.016
LPX LP B8		White	10	0.016
LPX LP E3	85-140VAC	Green	10	0.016
LPX LP E4		Red	10	0.016
LPX LP E5		Yellow	10	0.016
LPX LP E6		Blue	10	0.016
LPX LP E8		White	10	0.016
LPX LP M3	185-265VAC	Green	10	0.016
LPX LP M4		Red	10	0.016
LPX LP M5		Yellow	10	0.016
LPX LP M6		Blue	10	0.016
LPX LP M8		White	10	0.016

Steady light.
Non-protected version.
Supplied without mounting adapter.

LPX LE B3	18-30V AC/DC	Green	10	0.016
LPX LE B4		Red	10	0.016
LPX LE B5		Yellow	10	0.016
LPX LE B6		Blue	10	0.016
LPX LE B8		White	10	0.016
LPX LE E3	85-140V AC/DC	Green	10	0.016
LPX LE E4		Red	10	0.016
LPX LE E5		Yellow	10	0.016
LPX LE E6		Blue	10	0.016
LPX LE E8		White	10	0.016
LPX LE M3	185-265V AC/DC	Green	10	0.016
LPX LE M4		Red	10	0.016
LPX LE M5		Yellow	10	0.016
LPX LE M6		Blue	10	0.016
LPX LE M8		White	10	0.016

Flashing light.
Protected version.
Supplied without mounting adapter.

LPX LF B3	18-30V AC/DC	Green	10	0.016
LPX LF B4		Red	10	0.016
LPX LF B5		Yellow	10	0.016
LPX LF B6		Blue	10	0.016
LPX LF B8		White	10	0.016
LPX LF E3	85-140VAC	Green	10	0.016
LPX LF E4		Red	10	0.016
LPX LF E5		Yellow	10	0.016
LPX LF E6		Blue	10	0.016
LPX LF E8		White	10	0.016
LPX LF M3	185-265VAC	Green	10	0.016
LPX LF M4		Red	10	0.016
LPX LF M5		Yellow	10	0.016
LPX LF M6		Blue	10	0.016
LPX LF M8		White	10	0.016

Operational characteristics

- Rated auxiliary supply voltage for:
 - Protected steady light: 18-30VAC/DC; 85-140VAC; 185-265VAC
 - Non-protected steady light: 18-30VAC/DC; 85-140VAC/DC; 185-265VAC/DC
 - Protected flashing light: 18-30VAC/DC; 85-140VAC; 185-265VAC
- Maximum consumption for:
 - Protected steady light: 17mA (18-30VAC/DC) 20mA (85-140VAC) 17mA (185-265VAC)
 - Non-protected steady light: 11mA (18-30VAC/DC) 5mA (85-140VAC/DC) 3mA (185-265VAC/DC)
 - Protected flashing light: 17mA (18-30VAC/DC) 20mA (85-140VAC) 17mA (185-265VAC)
- Protected version features consist of:
 - Over voltage protection
 - Withstand to vibrations
 - Protection against stray currents in wiring
 - Flickering phenomenon reduction
- Electrical life: 100,000 hours
- Ambient conditions:
 - Operating temperature: -25...+70°C (-25...+60°C for LPX LE...)
 - Storage temperature: -40...+85°C
- Any mounting position is allowed.
- Degree of protection per IEC/EN: IP20
- Maximum tightening torque: 1Nm / 0.74lbf.

Maximum conductor cross section

1 o 2 2.5mm² or AWG12 cables.

Wiring diagram



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