

Mushroom head pushbutton actuators



LPSB614...



LPSB616...



LPSB6744



LPSB6634



LPSB6644



LPSB6844

new

new

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

SPRING RETURN.
Ø40mm/1.57" (without mounting adapter).

LPSB6142	Black	5	0.038
LPSB6143	Green	5	0.038
LPSB6144	Red	5	0.038
LPSB6145	Yellow	5	0.038
LPSB6146	Blue	5	0.038

Ø60mm/2.36" (without mounting adapter).

LPSB6162	Black	5	0.044
LPSB6163	Green	1	0.044
LPSB6164	Red	5	0.044
LPSB6165	Yellow	1	0.044
LPSB6166	Blue	1	0.044

LATCH, PULL TO RELEASE.
Ø40mm/1.57" (without mounting adapter).
For normal stopping.

LPSB6742	Black	5	0.102
LPSB6744	Red	5	0.102

LATCH, TURN TO RELEASE.
Ø30mm/1.18" (without mounting adapter).
For emergency stopping, ISO 13850 compliant.

LPSB6634	Red	5	0.048
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Ø40mm/1.57" (without mounting adapter).
For normal stopping.

LPSB6642	Black	5	0.051
LPSB6644	Red	5	0.084

LATCH, TURN KEY TO RELEASE.
Ø40mm/1.57" (without mounting adapter). Key code n° 455.
For normal stopping.

LPSB6842	Black	5	0.088
LPSB6842R	Black	1	0.088
LPSB6844	Red	5	0.088
LPSB6844R	Red	1	0.088

For emergency stopping, ISO 13850 compliant.

① Versions with different key codes.
Complete with the numeric code of the key.
The following versions are available: 421E, 458A, 520E, 3131A, 3433E.
Example of complete code: LPSB6844R421E.

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: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide.

Mechanical endurance

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

Mounting adapter

See page 7-36.
Type: LPXAU120M.
The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.7Nm/6.1lb.in).
Actuators latch onto the mounting adapter by simple rotation.

Contact elements

See page 7-37 and 7-38.

Type	Termination
1NO	LPXC10 Screw
	LPXCF10 Faston
	LPXCS10 Spring clamp
1EM	LPXC10A Screw
1NC	LPXC01 Screw
	LPXCF01 Faston
	LPXCS01 Spring clamp
1LB	LPXC01D Screw

Front-mount types snap onto LPXAU120M mounting adapter (to purchase separately).
For SPRING RETURN types, up to 9 contacts can be fitted: 3 each on the left, middle and right, one behind the other.
For LATCH types, up to 4 contacts can be fitted.
The LPXAU120M mounting adapter can also be fitted internally to the cover of the LPZ... control station with up to 3 elements per actuator.

1NO	LPXC10	Screw
	LPXCF10	Faston
	LPXCS10	Spring clamp
1EM	LPXC10A	Screw
1NC	LPXC01	Screw
	LPXCF01	Faston
	LPXCS01	Spring clamp
1LB	LPXC01D	Screw

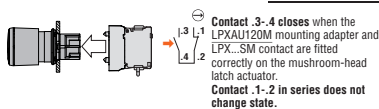
Base mount types snap into LPZP... control station base.
See example on page 7-38.
Up to 3 elements can be fitted to the adapter when used with the LPZ... control station.

1NO	LPXCB10	Screw
1NC	LPXCB01	Screw

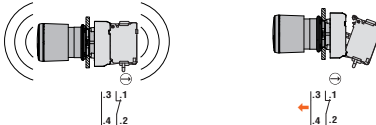
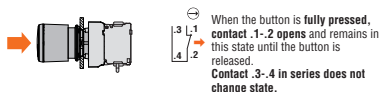
Normal operation of auto-monitor contact mounted on surface or on cover of control stations

In case of detachment of only the contact element and/or of the mounting adapter with contact element

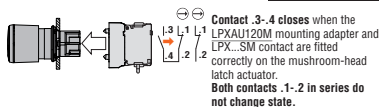
With contact type LPXC01SM (1NC)



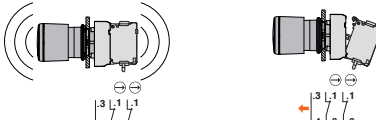
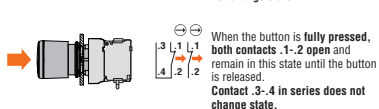
If the contact LPXC01SM detaches from the actuator due to **strong vibrations or shock**, the equipment can be restored to operating state only when proper mounting of the contact with the actuator is re-established resulting in **contact 3-4 closing**.



With contact type LPXC02SM (2NC)



If the contact LPXC02SM detaches from the actuator due to **strong vibrations or shock**, the equipment can be restored to operating state only when proper mounting of the contact with the actuator is re-established resulting in **contact 3-4 closing**.



AUTO-MONITOR CONTACT with MUSHROOM-HEAD LATCH TYPES only: 2 elements max of this type can be mounted.

Extra two contacts can be fitted on the right.
Two elements per actuator can be fixed internally on the cover surface of LPZ... control stations of which one auto-monitor type. No LED element can be installed.

Auto-monitor 1NC	LPXC01SM	Screw (2 stacked in the middle - LPXAU120M pos.1/3-4/6)
1NO	LPXC10	Screw (2 stacked on the right)
	LPXCF10	Faston (2 stacked on the right)
	LPXCS10	Spring clamp (2 stacked on the right)
1NC	LPXC01	Screw (2 stacked on the right)
	LPXCF01	Faston (2 stacked on the right)
	LPXCS01	Spring clamp (2 stacked on the right)
Auto-monitor 2NC	LPXC02SM	Screw (2 stacked)

All these actuators are standard-supplied with action plug for middle contacts.

Certifications and compliance

Certifications: cULus, EAC, RINA.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-5-1, UL508, CSA C22.2 n° 14.