PLatinum Ø22mm series



Pushbutton actuators, spring return







Push-push button actuators



LPC Q10...



Order code	Colour	Qty per pkg	Wt
		n°	[kg]
Flush (without	mounting adapter). S	pring return.	
LPC B102	Black	10	0.025
LPC B103	Green	10	0.025
LPC B104	Red	10	0.025
LPC B105	Yellow	10	0.025
LPC B106	Blue	10	0.025
LPC B108	White	10	0.025
Extended (with	out mounting adapter). Spring returi	١.
LPC B202	Black	10	0.027
LPC B203	Green	10	0.027
LPC B204	Red	10	0.027
LPC B205	Yellow	1	0.027
LPC B206	Blue	1	0.027
LPC B208	White	1	0.027
Shrouded (with	out mounting adapte	r). Spring retur	n.
LPC B302	Black	10	0.027
LPC B303	Green	10	0.027
LPC B304	Red	10	0.027
LPC B305	Yellow	1	0.027
LPC B306	Blue	1	0.027
LPC B308	White	1	0.027

		n°	[kg]			
Flush (without mounting adapter). Push on-push off.						
LPC Q1020	Black	10	0.025			
LPC Q1030	Green	10	0.025			
LPC Q1040	Red	10	0.025			
LPC Q1050	Yellow	1	0.025			
LPC Q1060	Blue	1	0.025			
LPC Q1080	White	1	0.025			
Extended (without mounting adapter). Push on-push off.						

Qty

per pkg

Wt

Colour

Order code

LPC Q2020	Black	10	0.027
LPC Q203 ⊕	Green	10	0.027
LPC Q2040	Red	10	0.027
LPC Q205 ⊕	Yellow	1	0.027
LPC Q206 ⊕	Blue	1	0.027
LPC Q208 ⊕	White	1	0.027
			•

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

For the number of contacts that can be fitted, see the indication here to the

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.

Polyamide.

Mechanical endurance

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

- Spring return actuators: 5,000,000 cycles
- Push-push actuators: 500,000 cycles.

Mounting adapter

See page 7-20. Type: LPX AU120.

Actuators are installed through a $\emptyset 22mm/\emptyset 0.87"$ drilling with a threaded fixing ring (Tmax = 2.3Nm/1.69lbft) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator.

Contact elements for spring-return button actuators See page 7-20, 7-23 or 7-24.

Termination

Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately).

Up to 9 contacts can be fitted: 3 each on the left, middle and right, one behind the other.

They can also be fitted internally on the cover surface of LPZ control stations, up to 3 elements per actuator.

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 7-27.

Up to 3 contacts can be fitted per control station actuator.

1NO	LPX CB10	Screw
1NC	LPX CB01	Screw

Contact elements for push-push button actuators

See page 7-20. Type: LPX C10A (1EM) LPX C01 (1NC)

Contacts snap onto the adapter and also internally on the cover surface of LPZ control stations.

Up to 6 contacts can be fitted: 2 each on the left, middle and right, one behind of the other; up to 3 elements per control

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

Certifications and compliance

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

Pushbuttons and selector switches

PLatinum Ø22mm series



Mounting adapter

Contact elements

LPX CO2SM



LPX AU120

LPX C..

LPX C01SM

LPX E...

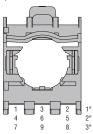
LPX CF01

LPX CF10

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

Rear view

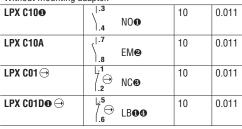
(reference for element installation)



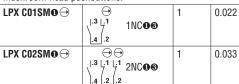
7	9	8	3° row		
Order	code		Function	Qty per pkg	Wt
				n°	[ka]

Screw termination.

Without mounting adapter



Screw termination. Without mounting adapter. Auto-monitor contact elements for non-illuminated latch mushroom-head pushbuttons.



Screw termination. With mounting adapter.

3	•		
LPX E10€	\.4 NO ①	10	0.029
LPX E01⊖	.1 → NC®	10	0.029

Faston termination.

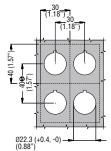
without mounting adapter.							
LPX CF100	.3 -4 NO ①	10	0.012				
LPX CF01 →	L.1 / → NC❸	10	0.012				

- Use LPX C10A (EM) or LPX C01 (NC) type only with push-push
- Not suitable for push-push actuators.

 Not suitable for push-push actuators.

 Normally open contact with early-make operation and suitable for
- Direct (positive) opening action
 in accordance with IEC/EN 60947-5-1. Normally closed contact with late break operation.

Drillings - Minimum recommended distances



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

Operational characteristics

- Any mounting position allowed.
 All LPX C... types snap onto LPX AU120 mounting adapter:
- · See the combinations given under "Contact elements" in the right-hand column for each type of pushbutton and selector switch
- · A maximum of 3 contacts or 2 contacts and 1 LED element (LPX L... mounted in the middle position) can be fixed internally on the cover surface of LPZ control stations.
- A maximum of 2 LPX C...SM contacts can be installed on LPX AU120 adapter exclusively on non-illuminated mushroom-head latch actuators:
 - In pos. 1-3 (on the left side only of LPX AU120; refer to REAR VIEW drawing), one only LPX C01SM or LPX C02SM element can be fitted.
 - One extra LPX...SM can be installed in pos. 4-6 (stacked behind the LPX...SM on the LPX AU120)
 - · With LPX C01SM, a maximum of two contacts LPX CO... or LPX C1... can be fitted on the right side in LPX AU120 pos. 2 and 5, one behind the other.
- · On the internal surface of LPZ control station covers, one only LPX C01SM or LPX C02SM contact can be mounted on LPX AU120 pos. 1 (on the left). With LPX C01SM, one extra element LPX CO ... LPX C1... can be fitted on the right (LPX AU120 pos. 2).
- · No LED element can be used with LPX C...SM types.
- Maximum tightening torque for screw terminals: 1Nm/0.74lbft
- Ambient conditions:
 - Operating temperature: -25...+70°C
- Storage temperature: -40...+85°C
- Degree of protection:
- IP20 for screw termination
- · IP00 for Faston termination.

General characteristics of contact elements

Wiping effect, 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.

	TEG/EN operational characteristics in AG15 category.									
[V]	12	24	48	120	240	400	480	500	600	
[A]	6	6	6	6	6	3	1.5	1.4	1.2	
IEC/EN operational characteristics in DC13 category:										

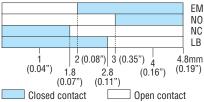
48 125 250 440 500 3 3 1.5 0.55 0.27 0.15 0.13

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

Contact resistance: $\leq 20 \text{m}\Omega$. Clamp screw with washer.

Faston 1x6.35mm(0.25") or 2x2.8mm(0.11").

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: 1,000,000 cycles for LPXC10/01/E10/01, LPX C01SM/02SM, LPXCF10/01; 600,000 cycles for I PXC10A/01D

Certifications and compliance

Certifications obtained: UL Listed for USA and Canada, (cULus - File E93601), as Auxiliary Devices; EAC, CCC,

Compliant with standard: IEC/EN 60947-1 IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.