

Selector switch actuators knob



LPC S1...



Order code	Type of positions	Qty per pkg	Wt
		n°	[kg]
2 position (without mounting adapter).			
LPC S120	∇	10	0.037
LPC S121	∇	10	0.037
3 position (without mounting adapter).			
LPC S130	∇	10	0.037
LPC S131	∇	10	0.037
LPC S132	∇	10	0.037
LPC S133	∇	10	0.037

Selector switch actuators key



LPC S3...

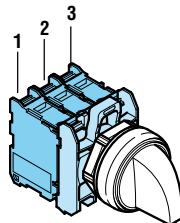


Order code	Type of position	Qty per pkg	Wt
		n°	[kg]
2 position (without mounting adapter).			
LPC S320	∇	10	0.060
LPC S320RⓀ	∇	1	0.060
LPC S321	∇	10	0.060
LPC S321RⓀ	∇	1	0.060
LPC S340	∇	10	0.060
LPC S340RⓀ	∇	1	0.060
3 position (without mounting adapter).			
LPC S330	∇	10	0.060
LPC S330RⓀ	∇	1	0.060
LPC S331	∇	10	0.060
LPC S331RⓀ	∇	1	0.060
LPC S332Ⓚ	∇	10	0.060
LPC S332RⓀⓀ	∇	1	0.060
LPC S333Ⓚ	∇	10	0.060
LPC S333RⓀⓀ	∇	1	0.060
LPC S350	∇	10	0.060
LPC S350RⓀ	∇	1	0.060
LPC S360	∇	10	0.060
LPC S360RⓀ	∇	1	0.060
LPC S370Ⓚ	∇	10	0.060
LPC S370RⓀⓀ	∇	1	0.060
LPC S380Ⓚ	∇	10	0.060
LPC S380RⓀⓀ	∇	1	0.060
LPC S390Ⓚ	∇	10	0.060
LPC S390RⓀⓀ	∇	1	0.060

Ⓚ 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: LPC S320R 421E.

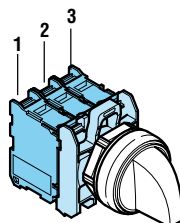
Ⓚ Available only on specific request.

Contact activation of 2-position selector switch



	Contacts		
	1	2	3
A	⊗	—	—
B	⊗	●	●

Contact activation of 3-position selector switch



	Contacts		
	1	2	3
A	⊗	●	—
B	⊗	—	—
C	⊗	—	●

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

Mechanical life: 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.

Up to 6 auxiliary contacts can be fitted on the mounting adapter: 3 on the left and 3 on the right or 2 on the left, 2 at the centre and 2 on the right.

Activation of the middle contacts is coupled to the side contacts; the relative mechanism is standard supplied. The middle contact activation, with respect to the right and left side contacts, can be changed by the user if required, by removing the mechanism pin.

Type of position

- ∇ Maintained position.
- ∇ Spring return position.
- ∇ • Key extraction position.

Rotation angles

2 position



3 position



Special versions

Versions with coloured keys are available upon request. Consult Customer Service; see contact details on inside front cover.

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.

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Ⓢ	$\begin{matrix} 1.3 \\ \\ 1.4 \end{matrix}$ NOⓈ	10	0.011
LPX C10A	$\begin{matrix} 1.7 \\ \\ 1.8 \end{matrix}$ EMⓈ	10	0.011
LPX C01⊖	$\begin{matrix} 1.1 \\ \\ 1.2 \end{matrix}$ NCⓈ	10	0.011
LPX C01DⓈ⊖	$\begin{matrix} 1.5 \\ \\ 1.6 \end{matrix}$ LBⓈⓈ	10	0.011

Screw termination.
With mounting adapter.

LPX E10Ⓢ	$\begin{matrix} 1.3 \\ \\ 1.4 \end{matrix}$ NOⓈ	10	0.029
LPX E01⊖	$\begin{matrix} 1.1 \\ \\ 1.2 \end{matrix}$ NCⓈ	10	0.029

Faston termination.
Without mounting adapter.

LPX CF10Ⓢ	$\begin{matrix} 1.3 \\ \\ 1.4 \end{matrix}$ NOⓈ	10	0.012
LPX CF01⊖	$\begin{matrix} 1.1 \\ \\ 1.2 \end{matrix}$ 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.



LPX CF01 LPX CF10



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:

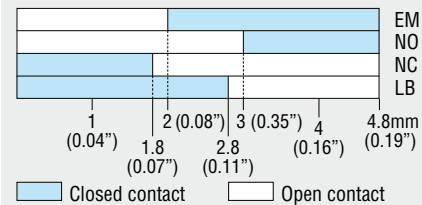
[V]	12	24	48	125	250	440	500	600
[A]	3	3	1.5	0.55	0.27	0.15	0.13	0.1

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

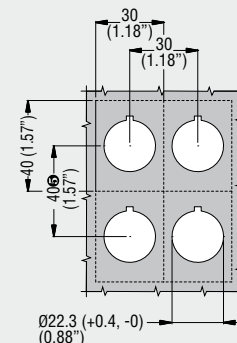


Maximum conductor cross section for screw terminals
1 or 2 2.5mm² or AWG14 cables.

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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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.