

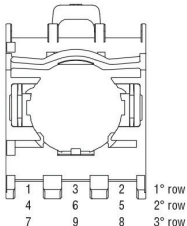
Mounting adapter



LPX AU120

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

Rear view
(reference for element installation)



Contact elements



LPX C...

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

Screw termination.
Without mounting adapter.

LPX C10⊕	$\begin{matrix} .3 \\ .4 \end{matrix}$ NO⊕	10	0.011
LPX C10A	$\begin{matrix} .7 \\ .8 \end{matrix}$ EM⊕	10	0.011
LPX C01⊖	$\begin{matrix} .1 \\ .2 \end{matrix}$ NC⊖	10	0.011
LPX C01D⊕⊖	$\begin{matrix} .5 \\ .6 \end{matrix}$ LB⊕⊖	10	0.011

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



LPX C01SM

LPX C02SM

new

LPX C01SM⊖	$\begin{matrix} .3 \\ .4 \end{matrix}$ L.1 NC⊖	1	0.022
LPX C02SM⊖	$\begin{matrix} .3 \\ .4 \end{matrix}$ L.1 L.2 2NC⊖	1	0.033

Screw termination.
With mounting adapter.

LPX E10⊕	$\begin{matrix} .3 \\ .4 \end{matrix}$ NO⊕	10	0.029
LPX E01⊖	$\begin{matrix} .1 \\ .2 \end{matrix}$ NC⊖	10	0.029



LPX E...

Faston termination.
Without mounting adapter.

LPX CF10⊕	$\begin{matrix} .3 \\ .4 \end{matrix}$ NO⊕	10	0.012
LPX CF01⊖	$\begin{matrix} .1 \\ .2 \end{matrix}$ NC⊖	10	0.012

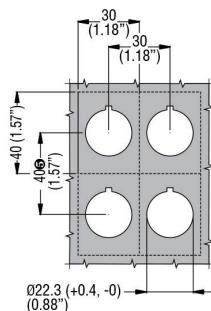


LPX CF01

LPX CF10

- ⊕ Use LPX C10A (EM) or LPX C01 (NC) type only with push-push actuators. Not suitable for push-push actuators.
- ⊖ Normally open contact with early make operation.
- ⊕ 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.
- LPX AU120 adapter directly snaps onto the actuator fixed on the mounting surface.
- 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 first on the LPX AU120).
 - With LPX C01SM, a maximum of two contacts LPX C0... 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 C0... or LPX C1... can be fitted on the right (LPX AU120 pos. 2).
 - No LED element can be used with LPX...SM types.
- Maximum tightening torque for screw terminals: 1Nm / 0.74lbf.
- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C.
- Degree of protection per IEC/EN:
 - 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.

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:

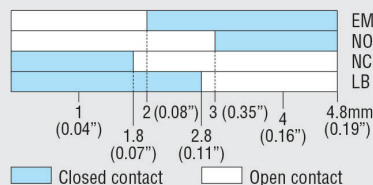
[V]	12	24	48	125	250	440	500	600
[A]	3	3	1.5	0.55	0.27	0.15	0.13	0.1

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

Contact resistance: ≤20mΩ.

Terminals: Clamp screw with washer
Faston 1-6.35mm(0.25") or 2-2.8mm (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/E01, LPXC01SM/C02SM, LPXCF10/01; 600,000 cycles for LPXC10A/01D.

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.

Contact elements, base mount on LPZ control stations



new

LPX CB...

Order code	Function	Q.ty per pkg	Wt
		n°	[kg]
Screw termination. Direct snap-in mounting on LPZ control station base.			
LPX CB10⊕	NO⊕	10	0.012
LPX CB01⊖	NC⊖	10	0.012

⊕ Not suitable for push-push actuators.
⊖ Direct opening operation ⊖ in accordance with IEC/EN 60947-5-1.

LED elements, steady light base mount on LPZ control stations



new

LPX LPB...

Order code	Rated auxiliary supply voltage	LED colour	Q.ty per pkg	Wt
	[V]		n°	[kg]
Screw termination. Steady light. Direct snap-on mounting on LPZ... control station base.				
LPX LPB B3	12-30VAC/DC	Green	10	0.016
LPX LPB B4		Red	10	0.016
LPX LPB B5		Yellow	10	0.016
LPX LPB B6		Blue	10	0.016
LPX LPB B8		White	10	0.016
LPX LPB E3	85-140VAC	Green	10	0.016
LPX LPB E4		Red	10	0.016
LPX LPB E5		Yellow	10	0.016
LPX LPB E6		Blue	10	0.016
LPX LPB E8		White	10	0.016
LPX LPB M3	185-265VAC	Green	10	0.016
LPX LPB M4		Red	10	0.016
LPX LPB M5		Yellow	10	0.016
LPX LPB M6		Blue	10	0.016
LPX LPB M8		White	10	0.016

Total protection against overvoltages and stray currents in wiring, to reduce flickering phenomenon and withstand vibrations.

Operational characteristics

- Any mounting position allowed
- Snap mount into fixing structures of LPZ control station base
- Maximum of 3 LPX CB... contact or 2 LPX CB... contact and 1 LPX LPB... LED elements (in middle pos. 3) for each actuator of LPZ control stations
- Wiring done directly in the base, so there is none with or directly in the cover
- Tightening torque Tmax: 1Nm/9lbin
- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Degree of protection IEC/EN IP20.

General characteristics

CONTACT ELEMENTS
Wiping action and dual scaping-oscillating effect
IEC rated insulation voltage: 690V
IEC rated thermal current Ith: 10A
Conductivity: 1mA 5V
UL/CSA and IEC/EN 60947-5-1 designation: A600 Q600

IEC/EN operational characteristics in AC15 category:

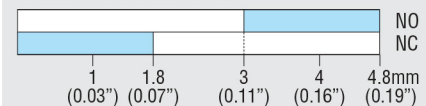
[V]	12	24	48	120	240	400	480	500	600
[A]	6	6	6	6	3	1.9	1.5	1.4	1.2

IEC/EN operational characteristics in DC13 category:

[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 and washer.

Stroke of contact elements



Legend: Closed contact Open contact

Mechanical and electrical endurance of contact elements

Opening force: ≤0.5kg / 1.1lb
Electrical life: 1,000,000 cycles for LPX CB10/CB01.

LED ELEMENTS

- Supply voltage: 12-30VAC/DC; 85-140VAC; 185-265VAC
- Maximum consumption: 17mA (12-30VAC/DC); 20mA (85-140VAC); 17mA (185-265VAC)
- Total protection:
 - Against overvoltages
 - Against stray currents in wiring
 - To reduce flickering phenomenon
 - To withstand vibrations
- Electrical life: 100,000 hours.

Wiring diagram for LED elements



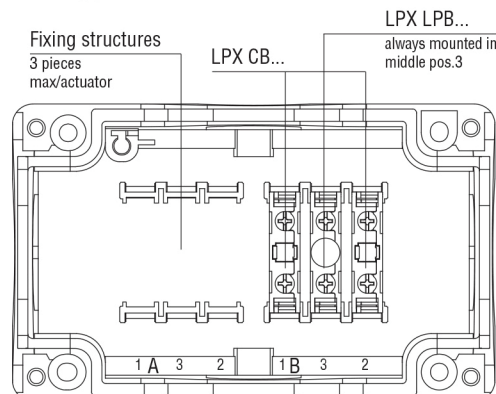
Maximum conductor cross section

1 or 2 2.5mm² or AWG14 cables.

Certifications and compliance

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

Mounting position on the LPZ control station base



LED elements steady light



LPX LP...

Total protection against overvoltages and stray currents in wiring, to reduce of flickering phenomenon and withstand vibrations.

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

Steady light, screw termination.
Supplied without mounting adapter.

LPX LP B3	12-30V 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

LED elements flashing light



LPX LF...

Total protection against overvoltages and stray currents in wiring, to reduce of flickering phenomenon and withstand vibrations.

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

Flashing light, screw termination.
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

- Auxiliary supply voltage:
 - LPX LP... with steady light: 12-30VAC/DC; 85-140VAC; 180-265VAC
 - LPX LE... with steady light: 12-30VAC/DC; 85-140VAC/DC; 180-265VAC/DC
 - LPX LF... flashing light: 18-30VAC/DC; 85-140VAC; 180-265VAC
- Maximum consumption for:
 - LPX LP... steady light and LPX LF... flashing light: 17mA (12/18-30VAC/DC); 20mA (85-140VAC); 17mA (185-265VAC)
 - LPX LE... steady light: 11mA (12-30VAC/DC); 5mA (85-140VAC/DC); 3mA (185-265VAC/DC)
- Total protection for LPX LP... and LPX LF... types:
 - Against overvoltages
 - Against stray currents in wiring
 - To reduce flickering phenomenon
 - To withstand vibrations
- Simple protection for LPX LE... types:
 - Against overvoltages
 - To withstand vibrations
- Electrical life: 100,000 hours
- Snap onto LPX AU120 mounting adapter in the middle position for each illuminated actuator, also internally on the LPZ control station cover
- No other element can be stacked behind LED elements
- Any mounting position allowed
- Maximum tightening torque: 1Nm / 0.74lbf
- Ambient conditions:
 - Operating temperature: -25...+70°C (-25...+60°C for LPX LE...)
 - Storage temperature: -40...+85°C
- Degree of protection per IEC/EN: IP20.

Mounting adapter

See page 7.18.
Type: LPX AU120.
The mounting adapter directly snaps onto the actuator fixed to the mounting surface.

Maximum conductor cross section

1 o 2 2.5mm² or AWG12 cables.

Wiring diagram



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.