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Lovato

Contact elements, base mount on LPZ control stations



LPX CB…

new

Order code	Function

Screw termination.
Direct snap-in mounting on LPZ control station base.

LPX CB10❶	.3 / .4 NO❶
LPX CB01 ⊖	.1 / .2 ⊖ NC❷

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

LED elements, steady light base mount on LPZ control stations



LPX LPB…

new

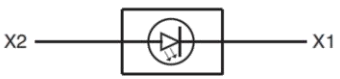
Order code	Rated auxiliary supply voltage	LED colour
	[V]	

Screw termination.
Steady light.
Direct snap-on mounting on LPZ… control station base

LPX LPB B3	12-30VAC/DC	Green
LPX LPB B4		Red
LPX LPB B5		Yellow
LPX LPB B6		Blue
LPX LPB B8		White

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.

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:

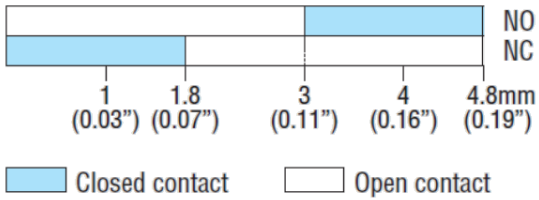
[V]	12	24	48	120	240	400	480	500	600
[A]	6	6	6	6	3	1.9	1.5	1.4	1.2

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



Mechanical and electrical endurance of contact elements
Opening force: ≤0.5kg / 1.1lb
Electrical life: 1,000,000 cycles for LPX CB10/CB01.