Lovato electric

ENERGY AND AUTOMATION

LPXP... LED ELEMENTS DATASHEET



Front mount for panel mounted indicator lamps and pushbutton devices

Order code	Rated 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...140V AC	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...265V AC	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



Base mount for use in Lovato insulated control stations LPZ... series or S1P... ready assembled stations

Screw termination. Steady light. Direct snap-on mounting on LPZ... control station base.				
LPX LPB B3	12...30V AC/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...140V AC	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...265V AC	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

Operational characteristics

- Rated frequency: 50-60Hz
- Auxiliary supply voltage:
  - LPX LP... with steady light: 12...30VAC/DC; 85...140VAC; 185...265VAC
  - LPX LE... with steady light: 12...30VAC/DC; 85...140VAC/DC; 185...265VAC/DC
  - LPX LF... flashing light: 18...30VAC/DC; 85...140VAC, 185...265VAC
- Maximum consumption for:
  - LPX LP... steady light and LPX LF... flashing light: 17mA-0.50W (12...30VAC/DC); 20mA-0.40W (85...140VAC); 18mA-0.55W (185...265VAC)
  - LPX LE... steady light: 11mA-0.33W (12...30VAC/DC); 5mA-0.72W (85...140VAC/DC); 3mA-0.67W (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
- Minimum activation voltage:
  - LPX LP... steady light: 4V-1mA (12...30VAC/DC); 30V-4mA (85...140VAC); 55V-4mA (185...265VAC)
  - LPX LE... steady light: 4V-0.5mA (12...30VAC/DC); 15V-0.4mA (85...140VAC/DC); 35V-0.3mA (185...265VAC/DC)
  - LPXLF... flashing light: 5V-1.5mA (18...30VAC/DC); 13V-1.5mA (85...140VAC); 25V-1.5mA (185...265VAC)
- 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/0.74lbft
- Ambient conditions:
  - Operating temperature: -25...+70°C (-25...+60°C for LPX LE...)
  - Storage temperature: -40...+85°C
- Degree of protection: IP20.

Mounting adapter

See page 7-20. Type: LPX AU120.
The mounting adapter directly snaps onto the actuator fixed to the mounting surface.

Maximum conductor cross section

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