Pilot light heads

LPL...

new

Order code	Colour	Qty per pkg	Wt
		n°	[kg]
Without mounting adapter.			
LPL 3	Green	10	0.024
LPL 4	Red	10	0.024
LPL 5	Yellow	10	0.024
LPL 6	Blue	10	0.024
LPL 7	Transparent	10	0.024
LPL 1187	Transparent ϟ ❶	10	0.024

❶ With symbol indicating dangerous voltage (IEC/EN 60417 5036-a).

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.

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 / 1.69lbft).
The mounting adapter directly snaps onto the actuator.

Lamp-holder elements
See page 7-13.

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.

LED integrated monoblock pilot lights steady light

8 LP2T IL...P

new

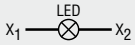
Order code	Rated auxiliary supply voltage	LED colour	Qty per pkg	Wt
			n°	[kg]
8 LP2T IL A3P	12VAC/DC	Green	10	0.021
8 LP2T IL A4P		Red	10	0.021
8 LP2T IL A5P		Yellow	10	0.021
8 LP2T IL A6P		Blue	10	0.021
8 LP2T IL A8P		Transparent	10	0.021
8 LP2T IL B3P	24VAC/DC	Green	10	0.021
8 LP2T IL B4P		Red	10	0.021
8 LP2T IL B5P		Yellow	10	0.021
8 LP2T IL B6P		Blue	10	0.021
8 LP2T IL B8P		Transparent	10	0.021
8 LP2T IL E3P	110VAC	Green	10	0.024
8 LP2T IL E4P		Red	10	0.024
8 LP2T IL E5P		Yellow	10	0.024
8 LP2T IL E6P		Blue	10	0.024
8 LP2T IL E8P		Transparent	10	0.024
8 LP2T IL M3P	230VAC	Green	10	0.024
8 LP2T IL M4P		Red	10	0.024
8 LP2T IL M5P		Yellow	10	0.024
8 LP2T IL M6P		Blue	10	0.024
8 LP2T IL M8P		Transparent	10	0.024

Operational characteristics
- Rated auxiliary supply voltage: 12VAC/DC, 24VAC/DC, 110VAC, 230VAC
- Electrical life: >30,000 hours
- Consumption: ≤20mA
- Screw termination
- Maximum tightening torque: 0.8Nm / 0.59lbft
- Side cable entry
- Ambient conditions:
  - Operating temperature: -5...+40°C
  - Degree of protection per IEC/EN:
    - IP65 on front;
    - IP20 at rear.

Materials
Polyamide and polycarbonate.

Maximum conductor cross section
1 or 2 1.5mm² or AWG16 cables.

Wiring diagram



Certifications and compliance
Certifications obtained: UL Listed, for USA and Canada (File E93602), as Motor Controllers - Accessory, indicator.
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

LPX C...

LPX E...

LPX CF01 LPX CF10

Order code	Function	Qty per pkg	Wt
	All SPST	n°	[kg]
Screw termination. Without mounting adapter.			
LPX C10❶	.3 .4 NO❶	10	0.011
LPX C10A	.7 .8 EM❷	10	0.011
LPX C01 ⊖	.1 .2 NC❸	10	0.011
LPX C01D❶ ⊖	.5 .6 LB❶❹	10	0.011
Screw termination. With mounting adapter.			
LPX E10❶	.3 .4 NO❶	10	0.029
LPX E01 ⊖	.1 .2 NC❸	10	0.029
Faston termination. Without mounting adapter.			
LPX CF10❶	.3 .4 NO❶	10	0.012
LPX CF01 ⊖	.1 .2 NC❸	10	0.012

❶ Not suitable for push-push actuators. Use LPX C10A (EM) or LPX C01 (NC) type only with push-push actuators.
❷ Normally open contact with early make operation.
❸ Direct opening operation ⊖ in accordance with IEC/EN 60947-5-1.
❹ Normally closed contact with late break operation.

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/0.74lbft 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:

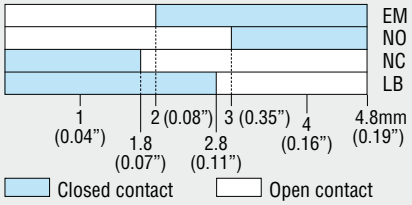
[V]	12	24	48	120	240	400	480	500	600
[A]	6	6	6	6	3	1.9	1.5	1.4	1.2

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).

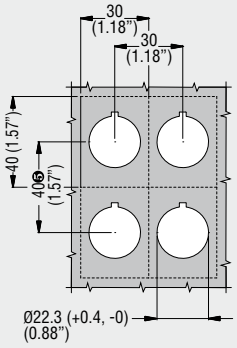
Stroke of contact elements



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.



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

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.

LED integrated lamp-holders steady or flashing light

LPX L...

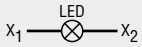
new

Order code	Rated auxiliary supply voltage	LED colour	Qty per pkg	Wt
	[V]		n°	[kg]
Steady light. Protected version. Supplied without mounting adapter.				
LPX LP B3	18-30V 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
Steady light. Non-protected version. Supplied without mounting adapter.				
LPX LE B3	18-30V AC/DC	Green	10	0.016
LPX LE B4		Red	10	0.016
LPX LE B5		Yellow	10	0.016
LPX LE B6		Blue	10	0.016
LPX LE B8		White	10	0.016
LPX LE E3	85-140V AC/DC	Green	10	0.016
LPX LE E4		Red	10	0.016
LPX LE E5		Yellow	10	0.016
LPX LE E6		Blue	10	0.016
LPX LE E8		White	10	0.016
LPX LE M3	185-265V AC/DC	Green	10	0.016
LPX LE M4		Red	10	0.016
LPX LE M5		Yellow	10	0.016
LPX LE M6		Blue	10	0.016
LPX LE M8		White	10	0.016
Flashing light. Protected version. 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
- Rated auxiliary supply voltage for:
  - Protected steady light: 18-30VAC/DC; 85-140VAC; 185-265VAC
  - Non-protected steady light: 18-30VAC/DC; 85-140VAC/DC; 185-265VAC/DC
  - Protected flashing light: 18-30VAC/DC; 85-140VAC; 185-265VAC
- Maximum comsumption for:
  - Protected steady light: 17mA (18-30VAC/DC) 20mA (85-140VAC) 17mA (185-265VAC)
  - Non-protected steady light: 11mA (18-30VAC/DC) 5mA (85-140VAC/DC) 3mA (185-265VAC/DC)
  - Protected flashing light: 17mA (18-30VAC/DC) 20mA (85-140VAC) 17mA (185-265VAC)
- Protected version features consist of:
  - Over voltage protection
  - Withstand to vibrations
  - Protection against stray currents in wiring
  - Flickering phenomenon reduction
- Electrical life: 100,000 hours
- Ambient conditions:
  - Operating temperature: -25...+70°C (-25...+60°C for LPX LE...)
  - Storage temperature: -40...+85°C
- Any mounting position is allowed.
- Degree of protection per IEC/EN: IP20
- Maximum tightening torque: 1Nm / 0.74lbft.

Maximum conductor cross section
1 o 2 2.5mm² or AWG12 cables.

Wiring diagram



Certifications and compliance
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