

Platinum Pushbuttons and selector switches p4-1 Metal button and selector actuators p4-27 Panel mount signal devices p4-42 Signal towers p4-44









Pushbuttons and selector switches

PLatinüim Ø22mm series

Quality Touch!



To simplify stock management, the series includes actuators without cap or lens and separate caps and lenses for quick installation or replacement on spring return and push-push types; all these are sold as accessories.

QUICK AND EASY ACTUATOR INSTALLATION



 Actuator fixing on the mounting surface, through a Ø22mm/0.87" drilled hole, is obtained using its threaded ring, easily rotated by hand or by socket spanner/wrench.



- There is an anti-rotation fastener, duly sized to avoid actuator rotation on the mounting surface and to give an orientation reference point for users during panel installation and during contact fitting on the actuator.
- This anti-rotation fastener collapses inside the gasket to allow fitting also when drilled holes are round without reference index.
- The sealing gasket for the actuator mounting surface has a gripping action (suction effect) offering additional adhesion properties.



The mounting adapter and the actuators each have clearly visible reference indications making the snap-on fitting between the two easy and intuitive.

Click!



Electrical contacts and LED elements are **snapped onto** the mounting adapter.

The activation of the middle contacts is standard supplied on all non-illuminated spring return and push-push button or selector switch actuators.



Ø22 3

30x40mm/1.18x1.57" between

drillings for two actuators on a

30x55mm/1.18x1.97" between drillings for two double and triple-touch actuators or when

spring clamp contacts are used.

REDUCED DIMENSIONS AND

INTERAXIS

Minimum pitch:

mounting surface

Total depth, from the external mounting surface to the end of the first contact element is just 43mm/1.69".

HIGH DEGREE OF PROTECTION IP66, IP67 and IP69K The actuators have been tested to guarantee a degree of protetection per IEC/EN IP66, IP67, IP69K and UL Type 4X, appropriate for use even in extreme ambient conditions.

- ELEGANT STYLE AND ERGONOMIC DESIGN
 All the series elements have an ergonomic design and, at the same time, particular care has been given to minimum detail aesthetics.
- LONG ACTUATOR MECHANICAL LIFE High performance characteristics assure 5,000,000 cycle mechanical life for spring-return actuators, 1,000,000 for double and triple touch units and 300,000 for emergency-stop types.
- MATERIALS RESISTANT TO OILS, SOLVENTS AND HYDROCARBONS
- USAGE AT EXTREME TEMPERATURE CONDITIONS Operation temperature range between -25° and +70°C.
- cULus, EAC, RINA and CCC CERTIFICATIONS.

• CONTACT ELEMENTS

- Miniaturised size
- High electric conductivity 5V 1mA
 Up to 9 contact elements can be
- installed - Available versions: Front and base mount with screw terminals while front-mount only with faston and
- spring-clamp terminals
 Contact operation: double breaking action, direct (positive) action operation and wiping effect.

HIGH-LUMINOSITY LED ELEMENTS



- Miniaturised size
- Long electrical life: 100,000h
- Versions for base mounting and with screw or spring-clamp terminals
- Overvoltage protection
- Withstand vibrations
 Protection against stray currents in wiring
- Flickering phenomenon reduction
- Steady and flashing light versions
 Supply voltages:
- 12-30VAC/DC
- 12-30VAC/DC • 85-140VAC
- 185-265VAC
- Test elements installed beside and connected with the relative LED element allow checking if all LED elements of the installation are working properly.



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Pushbuttons and selector switches

PLatinum Ø22mm series







Wt

Pushbuttons and selector switches

Qty

PLatinum Ø22mm series

Pushbutton actuators, spring return



LPC B10...





Push-push button actuators





| | | Colour | per pkg | |
|---|--|------------------------|---------------|-------|
| | | | n° | [kg] |
| | Flush (without mounting adapter). Spring return. | | | |
| | LPC B102 | Black | 10 | 0.025 |
| | LPC B103 | Green | 10 | 0.025 |
| | LPC B104 | Red | 10 | 0.025 |
| | LPC B105 | Yellow | 10 | 0.025 |
| | LPC B106 | Blue | 10 | 0.025 |
| | LPC B108 | White | 10 | 0.025 |
| | Extended (withou | t mounting adapter). S | pring return. | |
| | LPC B202 | Black | 10 | 0.027 |
| | LPC B203 | Green | 10 | 0.027 |
| | LPC B204 | Red | 10 | 0.027 |
| | LPC B205 | Yellow | 1 | 0.027 |
| | LPC B206 | Blue | 1 | 0.027 |
| | LPC B208 | White | 1 | 0.027 |
| Shrouded (without mounting adapter). Spring return. | | | | |
| | LPC B302 | Black | 10 | 0.027 |
| | LPC B303 | Green | 10 | 0.027 |
| | LPC B304 | Red | 10 | 0.027 |
| | LPC B305 | Yellow | 1 | 0.027 |
| | LPC B306 | Blue | 1 | 0.027 |
| | LPC B308 | White | 1 | 0.027 |
| | | | | |

Order code Colour

| Order code | Colour | Qty per pkg | Wt |
|---|-------------------------|----------------|-------|
| | | n° | [kg] |
| Flush (without m Push on-push of | ounting adapter). f. | | |
| LPC Q1020 | Black | 10 | 0.025 |
| LPC Q1030 | Green | 10 | 0.025 |
| LPC Q1040 | Red | 10 | 0.025 |
| LPC Q1050 | Yellow | 1 | 0.025 |
| LPC Q1060 | Blue | 1 | 0.025 |
| LPC Q1080 | White | 1 | 0.025 |
| Extended (without mounting adapter). Push on-push off. | | | |
| LPC Q2020 | Black | 10 | 0.027 |
| LPC 02030 | Green | 10 | 0.027 |

| 10 | 0.027 |
|-----|-------|
| 10 | 0.027 |
| / 1 | 0.027 |
| 1 | 0.027 |
| 1 | 0.027 |
| | |

Use contact elements LPX C10A (EM) and LPXC01 (NC) only. Contact elements LPX C10 (NO) and LPX C01D (LB) cannot be fitted on these actuators.

For the number of contacts that can be fitted, see the indication here to the side.

Operational characteristics

- Any mounting position allowed
- Ambient conditions:
- Operating temperature: -25...+70°C • Storage temperature: -40...+85°C
- Degree of protection:
 Por IEC/EN: IP66 IP67
- Per IEC/EN: IP66, IP67 and IP69K
 Per UL/CSA: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

Polyamide.

Mechanical endurance

Operating force: <0.5kg (actuator). Mechanical life:

- Spring return actuators: 5,000,000 cycles
- Push-push actuators: 500,000 cycles.

Mounting adapter

See page 4-19.

Type: LPX AU120.

Actuators are installed through a \emptyset 22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator.

Contact elements for spring-return button actuators See page 4-19, 4-22 or 4-23.

 Type
 Termination

 Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately).
 Up to 9 contacts can be fitted: 3 each on the left, middle and right, one behind the other.

They can also be fitted internally on the cover surface of LPZ control stations, up to 3 elements per actuator.

| 1NO | LPX C10 | Screw |
|-----|----------|--------------|
| | LPX CF10 | Faston |
| | LPXCS10 | Spring clamp |
| 1EM | LPX C10A | Screw |
| 1NC | LPX C01 | Screw |
| | LPX CF01 | Faston |
| | LPX CS01 | Spring clamp |
| 1LB | LPX C01D | Screw |

Base mount types snap into LPZ control station base. See example on page 4-26.

 Up to 3 contacts can be fitted per control station actuator.

 1N0
 LPX CB10
 Screw

 1NC
 LPX CB01
 Screw

Contact elements for push-push button actuators See page 4-19.

Type: LPX C10A (1EM)

LPX C01 (1NC) Contacts snap onto the adapter and also internally on the cover surface of LPZ control stations.

Up to 6 contacts can be fitted: 2 each on the left, middle and right, one behind of the other; up to 3 elements per control station actuator.

All these actuators are standard supplied with action plug for middle contacts.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.



Pushbuttons and selector switches PLatinum Ø22mm series

Mechanical reset buttons, complete unit, spring return



Pushbutton actuators,

LPC R1196

LPC B11..

LPC B21..

LPC B1502

| | ooloui | per pkg | |
|---|--------------|---------|-------|
| | | n° | [kg] |
| Flush (5.2mm/0.2" stroke). Adjustable length 0-150mm/5.9". Complete with shaft (without mounting adapter). Spring return. | | | |
| LPC R1002 | Black | 10 | 0.038 |
| LPC R1003 | Green | 10 | 0.038 |
| LPC R1004 | Red | 10 | 0.038 |
| LPC R1006 | Blue | 10 | 0.038 |
| LPC R11960 | Blue (RESET) | 10 | 0.038 |
| Extended (5.2mm/0.2" stroke). Adjustable length 0-150mm/5.9". Complete with shaft (without mounting adapter). Spring return. | | | |
| LPC R2004 | Red | 1 | 0.040 |
| | | | |

Qtv Wt

With "RESET" caption on actuator N.B. Not suitable for LPZ control stations

Order code Colour

Qty Wt Order code Symbol Colour per pkg spring return, with symbol n° [kg] Flush (without mounting adapter). Spring return. LPC B1102 0 Black 10 0.025 LPC B1104 Red 10 0.025 LPC B1113 L Green 10 0.025 LPC B1118 White 10 0.025 LPC B1123 Ш Green 1 0.025 LPC B1128 White 1 0.025 LPC B1132 STOP Black 0.025 1 LPC B1134 0.025 Red 10 LPC B1142 0.025 Black 10 0 LPC B1148 White 0.025 10 LPC B1152 0.025 Black 10 0 LPC B1158 White 0.025 10 0.025 LPC B1163 START Green 10 LPC B1168 White 1 0.025 LPC B1176 R Blue 1 0.025 LPC B1178 White 1 0.025 LPC B1196 RESET Blue 0.025 10 LPC B1502 Black 0.025 10 LPC B1512 Black 10 0.025 Extended (without mounting adapter). Spring return 10 LPC B2102 0.027 0 Black LPC B2104 10 0.027 Red STOP LPC B2132 1 0.027 Black LPC B2134 0.027 Red 10 Arrow symbol can be used to indicate right or left.

Arrow symbol can be used to indicate up or down



Operational characteristics

- Any mounting position allowed Fine rod adjustment (1-4mm/0.04-0.16") on front with
- screwdriver by removing actuator cap for mechanical reset buttons Ambient conditions:
- Operating temperature: -25...+70°C
- Storage temperature: -40...+85°C
- Degree of protection:
- Per IEC/EN: IP66, IP67 and IP69K • Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.

Mechanical endurance

Operating force: <0.5kg (actuator). Mechanical life: 5,000,000 cycles.

Mounting adapter See page 4-19. Type: LPX AU120.

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations except for LPC R... types. The mounting adapter directly snaps onto the actuator.

Contact elements for mechanical reset buttons See page 4-19 or 4-22.

| Туре | | Termination |
|--|-----------|--------------|
| Front mount types snap onto LPX AU120 mounting adap (to purchase separately), if any contacts are needed. Up to 6 contacts can be fitted: 3 each on the left and right, one behind the other. | | |
| 1N0 | LPX C10 | Screw |
| | LPX CF10 | Faston |
| | LPX CS10 | Spring clamp |
| 1FM | L PX C10A | Screw |

| 1EM | LPX C10A | Screw |
|-----|----------|--------------|
| 1NC | LPX C01 | Screw |
| | LPX CF01 | Faston |
| | LPX CS01 | Spring clamp |
| 1LB | LPX C01D | Screw |

Contact elements for spring-return button actuators See pages 4-19, 4-22 or 4-23.

Туре

Termination Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately)

Up to 9 contacts can be fitted: 3 each on the left, middle and right; one behind the other.

They can also be fitted internally on the cover surface of control stations LPZ, up to 3 elements per actuator.

| 1N0 | LPX C10 | Screw |
|-----|----------|--------------|
| mo | | 001010 |
| | LPX CF10 | Faston |
| | LPX CS10 | Spring clamp |
| 1EM | LPX C10A | Screw |
| 1NC | LPX C01 | Screw |
| | LPX CF01 | Faston |
| | LPX CS01 | Spring clamp |
| 1LB | LPX C01D | Screw |

Base-mount types snap into LPZ control station base. See example on page 4-26

Up to 3 contacts can be fitted per control station actuator.

| 1NO | LPX CB10 | Screw |
|-----|----------|-------|
| 1NC | LPX CB01 | Screw |
| | | |

The LPC B... actuators are standard supplied with action plug for middle contacts.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



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Pushbuttons and selector switches

PLatinum Ø22mm series

Symbol Colour Qty Wt

Order code

Pushbutton actuators, spring return, with symbol



| spring return, with symbol | Order code | Symbol | Colour | Qty per pkg | Wt |
|--|---|--|--------|----------------|-------|
| spring return, with symbol | | | | n° | [kg] |
| | Spring return (without mounting adapter). | | | | |
| | LPCB00180 | 40 | 0 | 50 | 0.027 |
| | LPCB00200 | OPEN | 0 | 50 | 0.027 |
| | LPCB00210 | CLOSED | 0 | 50 | 0.027 |
| | LPCB00220 | / | 0 | 50 | 0.027 |
| | LPCB00230 | | 0 | 50 | 0.027 |
| LPC B1253 | LPCBO0250 | + | 0 | 50 | 0.027 |
| | LPCB00260 | - | 0 | 50 | 0.027 |
| | LPCBO0270 | 즈 | 0 | 50 | 0.027 |
| | LPCB00280 | -Ö- | 0 | 50 | 0.027 |
| | LPCB00290 | <u></u> | 0 | 50 | 0.027 |
| | LPCB00300 | ALTO | 0 | 50 | 0.027 |
| | LPCB00310 | BASSO | 0 | 50 | 0.027 |
| | LPCB00320 | <u>م</u> | 0 | 50 | 0.027 |
| | LPCB00330 | ■ DX | 0 | 50 | 0.027 |
| | LPCB@@34@ | MAN | 8 | 50 | 0.027 |
| | LPCB00350 | AUTO | 8 | 50 | 0.027 |
| | LPCB00380 | TRIP | 8 | 50 | 0.027 |
| | LPCB00396 | TEST | 0 | 50 | 0.027 |
| | LPCB@@40@ | \triangle | 0 | 50 | 0.027 |
| | LPCB@@41@ | ı∱r | 0 | 50 | 0.027 |
| | LPCB@@42@ | Θ | 0 | 50 | 0.027 |
| | LPCBO0430 | 0 | 6 | 50 | 0.027 |
| | LPCBO0440 | 1 24 | 6 | 50 | 0.027 |
| | LPCB00450 | ww | 0 | 50 | 0.027 |
| | LPCB00460 | | 0 | 50 | 0.027 |
| | LPCBO0470 | \Diamond | 0 | 50 | 0.027 |
| | LPCB00480 | ₹ | 0 | 50 | 0.027 |
| | LPCB00490 | †↓ | 0 | 50 | 0.027 |
| | LPCB00520 | N | 0 | 50 | 0.027 |
| | LPCB00530 | Ŀ | 0 | 50 | 0.027 |
| | LPCB00540 | . | 0 | 50 | 0.027 |
| | LPCB00550 | | 0 | 50 | 0.027 |
| | LPCB00560 | START STOP | 0 | 50 | 0.027 |
| | LPCB00570 | | 0 | 50 | 0.027 |
| | LPCB00580 | IV | 0 | 50 | 0.027 |
| | LPCB00590 | ₹ | 0 | 50 | 0.027 |
| | | "Å _* | 6 | 50 | 0.027 |
| • Add letter "L" if illuminated type is required. | | τ, T | 0 | 50 | 0.027 |
| Por the type of actuator, add: 1 for flush or 2 for extended. Add the actuator colour: 2 black only for non-illuminated | | $\overline{\mathbf{a}}$ | 0 | 50 | 0.027 |
| type; 3 green, 4 red, 5 yellow, 6 blue, 8 white or 7 transparent for illuminated version. | | ` | 0 | 50 | 0.027 |
| Products available on specific request for a minimum multiple quantity of 50 pieces per type. | | 0 | 0 | 50 | 0.027 |
| Contact our Customer Service 1800 252 995 or | | \bigcirc | 0 | 50 | 0.027 |
| sales@mechtric.com.au Symbol indicating dangerous voltage (IEC 60417 5036-a). | | 6 Contraction of the second se | 0 | 50 | 0.027 |
| Examples of complete order codes: LPC B2 25 8 – extended non-illuminated white pushbutton | | ↔ | 0 | 50 | 0.027 |
| with + symbol LPC BL1 68 5 – flush illuminated yellow pushbutton | | | 0 | 50 | 0.027 |
| actuator with 🖄 symbol. | LPCB00690 | ** | 0 | 50 | 0.027 |

Operational characteristics

- Any mounting position allowed
- Ambient conditions:
- Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- Degree of protection:
- Per IEC/EN: IP66, IP67 and IP69K
 Per UL/CSA: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

Polyamide.

Mechanical endurance

Operating force: <0.5kg (actuator). Mechanical life: 5,000,000 cycles.

Mounting adapter See page 4-19.

Type: LPX AU120

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator.

Contact elements

See page 4-19, 4-22 or 4-23.

| Туре | | Termination | | | | |
|----------------|---|--------------|--|--|--|--|
| | Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately). | | | | | |
| Up to 9 contac | Up to 9 contacts can be fitted: 3 each on the left, middle and right, one behind the other. | | | | | |
| | They can also be fitted internally on the cover surface of LPZ control stations, up to 3 elements per actuator. | | | | | |
| 1N0 | LPX C10 | Screw | | | | |
| | LPX CF10 | Faston | | | | |
| | LPX CS10 | Spring clamp | | | | |
| 1EM | LPX C10A | Screw | | | | |
| 1NC | LPX C01 | Screw | | | | |
| | LPX CF01 | Faston | | | | |
| | LPX CS01 | Spring clamp | | | | |

LPX C01D 1LB Screw Base-mount types snap into LPZ control station base. See example on page 4-26.

| Up to 3 contacts can be fitted per control station ac | | | |
|---|----------|-------|--|
| 1NO LPX CB10 | | Screw | |
| 1NC | LPX CB01 | Screw | |

All these actuators are standard supplied with action plug for middle contacts.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14



PAGE 4-5 Perth (08) 9248 0410

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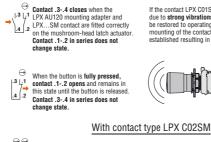
Adelaide (08) 8347 2499

Pushbuttons and selector switches PLatinum Ø22mm series

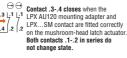
| Mushroom head pushbutton actuators | Order code | Colour | Qty per pkg | Wt |
|---|--|--|---------------------------------|--------------|
| | | | n° | [kg] |
| | SPRING RETURN. Ø40mm/1.6" (withou | it mounting ac | lapter). | |
| | LPC B6142 | Black | 10 | 0.033 |
| | LPC B6143 | Green | 10 | 0.033 |
| | LPC B6144 | Red | 10 | 0.033 |
| LPC B614 | LPC B6145 | Yellow | 10 | 0.033 |
| | LPC B6146 | Blue | 10 | 0.033 |
| | Ø60mm/2.4" (withou | it mounting ad | lapter). | |
| | LPC B6162 | Black | 10 | 0.038 |
| | LPC B6163 | Green | 10 | 0.038 |
| | LPC B6164 | Red | 10 | 0.038 |
| LPC B674 | LPC B6165 | Yellow | 10 | 0.038 |
| LI 6 80/4 | LPC B6166 | Blue | 10 | 0.038 |
| | LATCH, PULL TO RE Ø40mm/1.6" (withou For normal stopping | ut mounting ad | lapter). | |
| | LPC B6742 | Black | 10 | 0.097 |
| | For emergency stopp | oing, ISO 1385 | i0 compliant. | |
| | LPC B6744 | Red | 10 | 0.097 |
| LPC B6344 | LATCH, TURN TO RE Ø40mm/1.6" (withou For normal stopping | ut mounting ad | lapter). | |
| | LPC B6342 | Black | 10 | 0.046 |
| | LPC B6344 | Red | 10 | 0.046 |
| | Ø30mm/1.2" (withou For emergency stopp | | | |
| LPC B6634 | LPC B6634 | Red | 10 | 0.079 |
| | Ø40mm/1.6" (withou For emergency stopp | | | |
| | LPC B6644 | Red | 10 | 0.079 |
| | LATCH, TURN KEY T Ø40mm/1.6" (withou For normal stopping | ut mounting ad | dapter). Key c | ode n° 455 |
| LPC B6644 | LPC B6842 | Black | 10 | 0.083 |
| | LPC B6842R0 | Black | 1 | 0.083 |
| | For emergency stopp | , bing, ISO 1385 | i0 compliant. | |
| | LPC B6844 | Red | 10 | 0.083 |
| | LPC B6844R0 | Red | 1 | 0.083 |
| LPC B684 | Versions with different l Complete with the nume The following versions a Example of complete co | key codes. eric code of the ke are available: 421f de: LPC B6844R | y. 5, 458A, 520E, 3 421E. | 131A, 3433E. |
| Normal operation of auto-monitor contact moun on surface or on cover of control stations With c | | achment of or mounting ada | ly the contai | t element |







A







If the contact LPX C02SM detaches from the actuato due to **strong vibrations or shock**, the equipment ca be restored to operating state only when proper mounting of the contact with the actuator is re-

resulting in contact .3-.4 closi

If the contact LPX C01SM detaches from the actuato due to strong vibrations or shock, the equipment car be restored to operating state only when proper mounting of the contact with the actuator is re-

resulting in contact 3- 4 clos

⊖ |.3 [.¹



Operational characteristics

- Any mounting position allowed
- Ambient conditions:
 - Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- Degree of protection: Per IEC/EN: IP66, IP67 and IP69K Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

Polyamide

Mechanical endurance

Operating force: <0.5kg (actuator).

- Mechanical life:
- Mushroom head spring return buttons: 5,000,000 cycles Mushroom head latch buttons: 300,000 cycles.

Mounting adapter

See page 4-19

Type: LPX AU120.

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator.

Contact elements

See page 4-19, 4-22 or 4-23.

Туре Termination Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately). For SPRING-RETURN types, up to 9 contacts can be fitted: 3 each on the left, middle and right, one behind the other. For LATCH types, up to 6 contacts can be fitted: 2 each on the left, middle and right, one behind the other. They can also be fitted internally on the cover surface of LPZ control stations, up to 3 elements per actuator. 1N0 LPX C10 Screw LPX CF10 Faston LPXCS10 Spring clamp 1FM LPX C10A Screw 1NC LPX C01 Screw LPX CF01 Faston LPX CS01 Spring clamp 1LB LPX C01D Screw Base-mount types snap into LPZ control station base. See example on page 4-26. Up to 3 contacts can be fitted per control station actuator. 1N0 LPX CB10 Screw 1NC LPX CB01 Screw AUTO-MONITOR CONTACT with MUSHROOM-HEAD LATCH TYPES only: 2 elements max of this type can be mounted. Extra two contacts can be fitted on the right. Two elements per actuator can be fixed internally on the cover surface of LPZ control stations of which one automonitor type. No LED element can be installed. Auto-monitor LPX C01SM Screw (2 stacked in the middle - LPX AU120 1NC pos.1/3-4/6) 1N0 Screw (2 stacked on the right) LPX C10 Faston (2 stacked on the right) LPX CF10 1NC LPX C01 Screw (2 stacked on the right) LPX CF01 Faston (2 stacked on the right)

AUTO-MONITOR CONTACT with MUSHROOM-HEAD LATCH TYPES only: 2 elements max of this type can be mounted. Only one of this type per actuator can be fixed internally on the cover surface of LPZ control stations. No LED element can be installed.

| Auto-monitor | LPX C02SM | Screw (2 stacked) |
|--------------|-----------|--------------------|
| 2NC | | |

All these actuators are standard-supplied with action plug for middle contacts.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1. IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



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PAGE 4-6



Pushbuttons and selector switches

PLatinüm Ø22mm series

Double-touch actuators, spring return





LPC B72..

Triple-touch actuators, spring return



| Order code | Colour | Symbols | Qty per pkg | Wt |
|--|-------------|------------|----------------|-------|
| | | | n° | [kg] |
| Two flush pushb Both spring retu | (| t mounting | adapter). | |
| LPC B7112 | Black/Red | | 5 | 0.030 |
| LPC B7113 | Green/Red | — | 5 | 0.030 |
| LPC B7114 | White/Black | | 5 | 0.030 |
| LPC B7122 | Black/Red | I-0 | 5 | 0.030 |
| LPC B7123 | Green/Red | 1-0 | 5 | 0.030 |
| LPC B7124 | White/Black | 1-0 | 5 | 0.030 |
| LPC B7133 | Green/Red | Start/Stop | 5 | 0.030 |
| One extended and one flush pushbuttons (without mounting adapter). Both spring return. | | | | |
| LPC B7212 | Black/Red | | 1 | 0.030 |
| LPC B7213 | Green/Red | | 5 | 0.030 |
| LPC B7214 | White/Black | | 1 | 0.030 |

| LPC B/213 | Green/Red | | 5 | 0.030 |
|-----------|-------------|------------|---|-------|
| LPC B7214 | White/Black | | 1 | 0.030 |
| LPC B7222 | Black/Red | I-0 | 5 | 0.030 |
| LPC B7223 | Green/Red | I-0 | 5 | 0.030 |
| LPC B7224 | White/Black | I-0 | 1 | 0.030 |
| LPC B7233 | Green/Red | Start/Stop | 5 | 0.030 |

| Order code | Symbols | Qty per pkg | Wt |
|--------------------------------------|---|----------------|-------|
| | | n° | [kg] |
| One middle exter (without mountin | ided buttons g adapter). Spring return | | |
| LPC B7345 | I | 5 | 0.030 |
| | STOP | | |
| | II | | |
| LPC B7355 | ↑ | 5 | 0.030 |
| | I | | |
| | STOP | | |
| | ↓ ↓ | | |
| LPC B7365 | | 5 | 0.030 |
| | | | |
| | STOP | | |
| | ← | | |
| LPC B7375 | _ | 5 | 0.030 |
| | | | |
| | STOP | | |
| | ► | | |
| | | | |

Operational characteristics

- Any mounting position allowed
 Ambient conditions:
- Operating temperature: -25...+70°C
- Storage temperature: -40...+85°C Degree of protection:
- Per IEC/EN: IP66, IP67 and IP69K
 Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials Polyamide.

Mechanical endurance

Operating force: <0.5kg (actuator). Mechanical life: 1,000,000 cycles.

Mounting adapter

See page 4-19. Type: LPX AU120.

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the

cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator.

Contact elements

See page 4-19, 4-22 or 4-23.

Termination Туре Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately).

For DOUBLE-TOUCH actuators, up to 6 contacts can be fitted: 3 on the left, 3 on the right.

For TRIPLE-TOUCH actuators, up to 9 contacts can be fitted: 3 each on the left, middle and right, one behind the other. They can also be fitted internally on the cover surface of LPZ control stations: 2 for double-touch and 3 elements for triple-touch.

| LPX C10 | Screw |
|----------|--|
| LPX CF10 | Faston |
| LPXCS10 | Spring clamp |
| LPX C10A | Screw |
| LPX C01 | Screw |
| LPX CF01 | Faston |
| LPX CS01 | Spring clamp |
| LPX C01D | Screw |
| | LPXCS10 LPX C10A LPX C01 LPX CF01 LPX CS01 |

Base-mount types snap into LPZ control station base. See example on page 4-26.

For DOUBLE-TOUCH actuators. 2 contacts need to be fitted, one on the left and one on the right. For TRIPLE-TOUCH actuators, 3 contacts need to be

fitted: one each on the left, middle and right.

| 1NC | LPX CB01 | Screw |
|-----|----------|-------|
| 1NO | LPX CB10 | Screw |

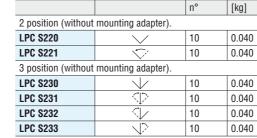
Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.



Pushbuttons and selector switches PLatinüm Ø22mm series

| Selector switch actuators lever | Order code | Type of positions | Qty per pkg | Wt | |
|---|--|-----------------------|----------------|------|--|
| | | | n° | [kg] | |
| | 2 position (with | out mounting adapter) | | | |
| | LPC \$120 | \sim | 10 | 0.03 | |
| | LPC \$121 | \sim | 10 | 0.03 | |
| | 3 position (without mounting adapter). | | | | |
| | LPC \$130 | \checkmark | 10 | 0.03 | |
| | LPC \$131 | | 10 | 0.03 | |
| | LPC \$132 | $\langle \rangle$ | 10 | 0.03 | |
| LPC \$1 | LPC \$133 | $\sqrt{2}$ | 10 | 0.03 | |
| | | | | | |
| Selector switch actuators long lever | Order code | Type of positions | Qty per pkg | Wt | |
| | | | n° | [ka] | |



| Order code | Type of position | Qty per pkg | Wt |
|---------------------|--------------------|----------------|-------|
| | | n° | [kg] |
| 2 position (without | mounting adapter). | | |
| LPC \$320 | • | 10 | 0.060 |
| LPC S320RO | | 1 | 0.060 |
| LPC \$321 | • • | 10 | 0.060 |
| LPC S321RO | | 1 | 0.060 |
| LPC S340 | •,, | 10 | 0.060 |
| LPC S340RO | | 1 | 0.060 |
| 3 position (without | mounting adapter). | | |
| LPC \$330 | • | 10 | 0.060 |
| LPC S330RO | | 1 | 0.060 |
| LPC \$331 | ••• | 10 | 0.060 |
| LPC S331RO | | 1 | 0.060 |
| LPC \$332@ | • | 10 | 0.060 |
| LPC S332ROO |] | 1 | 0.060 |
| LPC \$333@ | | 10 | 0.060 |
| LPC S333ROO | 1 🗸 | 1 | 0.060 |
| LPC \$350 | C• / | 10 | 0.060 |
| LPC S350RO |] `/ | 1 | 0.060 |
| LPC \$360 | . •D | 10 | 0.060 |
| LPC S360RO |] * | 1 | 0.060 |
| LPC \$370@ | | 10 | 0.060 |
| LPC \$370RO@ | 1 1 | 1 | 0.060 |
| LPC \$380@ | C• | 10 | 0.060 |
| LPC S380R00 | 1 `* | 1 | 0.060 |
| LPC \$390@ | • | 10 | 0.060 |
| LPC S390RO@ | 1 1 | 1 | 0.060 |

 Versions with different key control Complete with the numeric c The following versions are a 421F 458A 520F 3131A 3433F Example of complete code: LPC S320 R421E. Available only on specific request

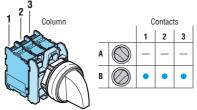
LPC S2...

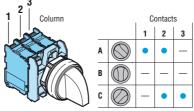
key

LPC S3..

Selector switch actuators

Contact activation of 2-position selector switch







Operational characteristics

- Any mounting position allowed
- Standard key types supplied with key code n° 455
- Ambient conditions:
 - Operating temperature: -25...+70°C • Storage temperature: -40...+85°C
- Degree of protection:
- Per IEC/EN: IP66, IP67 and IP69K
 Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.
- Materials Polvamide.

Mechanical endurance Mechanical life: 1,000,000 cycles.

Mounting adapter

See page 4-19. Type: LPX AU120.

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator.

Contact elements

See page 4-19, 4-22 or 4-23

Туре Termination Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately). Up to 6 contacts can be fitted: 2 each on the left, middle and right or 3 each on the left and right one behind the other

| They can also be fitted internally on the cover surface of | |
|--|--|
| I P7 control stations up to 3 elements per actuator | |

| LPX C10 | Screw | |
|----------|---|--|
| LPX CF10 | Faston | |
| LPXCS10 | Spring clamp | |
| LPX C10A | Screw | |
| LPX C01 | Screw | |
| LPX CF01 | Faston | |
| LPX CS01 | Spring clamp | |
| LPX C01D | Screw | |
| | LPX C10 LPX CF10 LPXCS10 LPX C10A LPX C01 LPX CF01 LPX CF01 LPX CS01 | |

Base-mount types snap into LPZ control station base. See example on page 4-26.

| Up to 3 contacts can be fitted per control station actuator. | | | |
|--|-----------|-------|--|
| 1NO LPX CB10 | | Screw | |
| 1NC | L PX CB01 | Screw | |

Activation of the middle contacts is coupled to the side contacts; the relative mechanism pins are standard supplied.



The middle contact activation, with respect to the right and left side contact, can be changed by the user, if required, by removing one or both mechanism pins.

Type of position

- Maintained position.
- Spring return position. V
- Key extraction position.

Rotation angles

2 position



Special versions

Versions with coloured keys are available upon request. Contact our Customer Service 1800 252 995 or sales@mechtric.com.au

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



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PAGE 4-8

Contact activiation of 3-position selector switch

| | LPC S360RO |
|-------------------------------|-------------|
| | LPC \$370@ |
| odes. | LPC S370RO@ |
| code of the key. vailable: | LPC S380@ |
| vallable. | |



Pushbuttons and selector switches

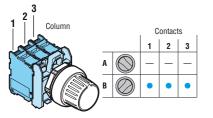
PLatinum Ø22mm series

Selector switch actuators knob



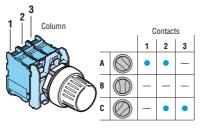
LPC S4...

Contact activation of 2-position selector switch



| Order code | Type of positions | Qty per pkg | Wt |
|---------------------|----------------------------------|----------------|-------|
| | | n° | [kg] |
| 2 position (without | mounting adapter). | | |
| LPC S420 | \sim | 10 | 0.037 |
| LPC S421 | ∇ | 10 | 0.037 |
| 3 position (without | mounting adapter). | | |
| LPC \$430 | \checkmark | 10 | 0.037 |
| LPC S431 | $\langle \! \! \! \! \! \rangle$ | 10 | 0.037 |
| LPC \$432 | \swarrow | 10 | 0.037 |
| LPC S433 | \sim | 10 | 0.037 |

Contact activiation of 3-position selector switch



Operational characteristics

- Any mounting position allowed _
- Standard key types supplied with key code n° 455 _
- Ambient conditions: Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- 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 4-19. Type: LPX AU120. Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator. **Contact elements**

See page 4-19, 4-22 or 4-23.

Туре Termination Front-mount types snap onto LPX AU120 mounting

adapter (to purchase separately). Up to 6 contacts can be fitted: 2 each on the left, middle and right or 3 each on the left and right, one behind the other.

They can also be fitted internally on the cover surface of LPZ control stations, up to 3 elements per actuator.

| 1NO | LPX C10 | Screw |
|-----|----------|--------------|
| | LPX CF10 | Faston |
| | LPXCS10 | Spring clamp |
| 1EM | LPX C10A | Screw |
| 1NC | LPX C01 | Screw |
| | LPX CF01 | Faston |
| | LPX CS01 | Spring clamp |
| 1LB | LPX C01D | Screw |
| | | |

Base-mount types snap into LPZ control station base. See example on page 4-26.

| Up to 3 contacts can be fitted per control station actuator. | | | |
|--|----------|-------|--|
| 1N0 | LPX CB10 | Screw | |
| 1NC | LPX CB01 | Screw | |

Activation of the middle contacts is coupled to the side contacts; the relative mechanism pins are standard supplied.



The middle contact activation, with respect to the right and left side contact, can be changed by the user, if required, by removing one or both mechanism pins.

Type of position

- Maintained position.
- Spring return position.

Rotation angles





Certifications and compliance Certifications obtained: cULus, EAC, CCC (ongoing), RINA (ongoing). Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.



Pushbuttons and selector switches PLatinum Ø22mm series

Illuminated button actuators, spring return



LPC BL10...



LPC BL20...

Illuminated push-push button actuators



LPC QL10...



LPC QL20...

Illuminated mushroom head button actuators



LPC BL614...



LPC BL664...

| Order code | Colour | Qty per pkg | Wt |
|------------------|-------------------------|----------------|-------|
| | | n° | [kg] |
| Flush (without m | ounting adapter). Sprin | g return. | |
| LPC BL103 | Green | 10 | 0.025 |
| LPC BL104 | Red | 10 | 0.025 |
| LPC BL105 | Yellow | 10 | 0.025 |
| LPC BL106 | Blue | 10 | 0.025 |
| LPC BL107 | Transparent | 10 | 0.025 |
| Extended (withou | t mounting adapter). Sp | oring return. | |
| LPC BL203 | Green | 10 | 0.027 |
| LPC BL204 | Red | 10 | 0.027 |
| LPC BL205 | Yellow | 10 | 0.027 |
| LPC BL206 | Blue | 10 | 0.027 |
| LPC BL207 | Transparent | 10 | 0.027 |

| Order code | Colour | Qty per pkg | Wt |
|------------|--------|----------------|------|
| | | n° | [kg] |

Flush (without mounting adapter).

| Push on-push off. | | | |
|---|-------------|----|-------|
| LPC QL1030 | Green | 10 | 0.025 |
| LPC QL1040 | Red | 10 | 0.025 |
| LPC QL1050 | Yellow | 10 | 0.025 |
| LPC QL1060 | Blue | 10 | 0.025 |
| LPC QL1070 | Transparent | 10 | 0.025 |
| Extended (without mounting adapter). Push on-push off. | | | |

| r don on puon on. | | | |
|-------------------|-------------|----|-------|
| LPC QL2030 | Green | 10 | 0.027 |
| LPC QL2040 | Red | 10 | 0.027 |
| LPC QL2050 | Yellow | 10 | 0.027 |
| LPC QL2060 | Blue | 10 | 0.027 |
| LPC QL2070 | Transparent | 10 | 0.027 |

Use contact elements LPX C10A (EM) and LPXC01 (NC) only.

Contact elements LPX C10 (NO) and LPX C01D (LB) cannot be fitted on these actuators

| Order code | Colour | Qty per pkg | Wt |
|------------|--------|----------------|------|
| | | n° | [kg] |

SPRING RETURN.

Ø40mm/1.6" (without mounting adapter).

| LPC BL6143 | Green | 10 | 0.035 |
|------------|--------|----|-------|
| LPC BL6144 | Red | 10 | 0.035 |
| LPC BL6145 | Yellow | 10 | 0.035 |
| LPC BL6146 | Blue | 10 | 0.035 |
| LPC BL6148 | White | 1 | 0.035 |

LATCH, TURN TO RELEASE

Ø40mm/1.6" (without mounting adapter) For normal stopping.

| i ei nennai eteppi | |
|--------------------|-------|
| LPC BL6643 | Green |

| LPC BL6645 | Yellow | 1 | 0.040 | |
|--|--------|----|-------|--|
| LPC BL6646 | Blue | 1 | 0.040 | |
| For emergency stopping, ISO 13850 compliant. | | | | |
| LPC BL6644 | Red | 10 | 0.040 | |

1

0.040



Operational characteristics

- Any mounting position allowed
- Ambient conditions:
 - Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- Degree of protection:
 Per IEC/EN: IP66, IP67 and IP69K
 Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials Polyamide.

Mechanical endurance

Operating force: <0.5kg (actuator).

- Mechanical life:
- Spring-return actuators: 5,000,000 cycles
- Push-push actuators: 500,000 cycles
- _ Spring-return Mmushroom-head actuator: 5,000,000 cycles
- Latch mushroom-head actuators: 300,000 cycles.

Mounting adapter

See page 4-19.

Type: LPX AU120.

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations. The mounting adapter directly snaps onto the actuator.

Contact elements for illuminated spring-return and

mushroom-head latch actuators See page 4-19, 4-22 or 4-23.

| Front-mou | nt types shap onto | LPX AU120 mounting |
|-------------|---|--|
| | purchase separate | |
| | | 1up to 6 contacts can be |
| | | ight, one behind the other. |
| | | 4 contacts can be fitted: |
| 2 each on | the left and right, or | ne behind the other. |
| | | Illy on the cover surface of |
| | | elements per actuator in |
| addition to | the LED element in | 1 the middle position. |
| | | |
| 1N0 | LPX C10 | Screw |
| | LPX C10 LPX CF10 | Screw Faston |
| | | |
| | LPX CF10 | Faston |
| 1N0 | LPX CF10 LPX CS10 | Faston Spring clamp |
| 1NO 1EM | LPX CF10 LPX CS10 LPX C10A | Faston Spring clamp Screw |
| 1NO 1EM | LPX CF10 LPX CS10 LPX C10A LPX C01 | Faston Spring clamp Screw Screw |

lase-mount types snap into LPZ control station base. See example on page 4-26.

Up to 2 contacts can be fitted per control station actuator

| in addition to t | in addition to the LED element in the middle position. | | | |
|--------------------|--|-------|--|--|
| 1NO LPX CB10 Screw | | | | |
| 1NC | LPX CB01 | Screw | | |

Contact elements for illuminated push-push button actuators

See page 4-17

LPX C10A (1EM) Type:

LPX C01 (1NC) Contacts snap onto LPX AU120 adapter and also internally on the cover surface of LPZ control stations. Up to 4 contacts can be fitted: 2 each on the left and right, one behind the other; up to 2 elements per control station actuator in addition to the LED element in the middle position.

LED light elements

See pages 4-21 to 4-23.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



PAGE 4-10



Pushbuttons and selector switches

PLatinum Ø22mm series

Double-touch actuators, spring return, white indicator





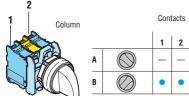
LPC BL72...

Illuminated selector switch actuators

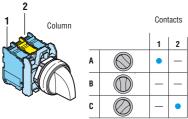


LPC SL1...

Contact activation of 2-position selector switch



Contact activation of 3-position selector switch



| Order code | Colour | Symbol | Qty per pkg | Wt |
|--|---|-------------------|-------------------------|---|
| | | | n° | [kg] |
| Two flush push Both spring ret | buttons (withou urn. | t mounting | adapter). | |
| LPC BL7112 | Black/Red | | 5 | 0.030 |
| LPC BL7113 | Green/Red | | 5 | 0.030 |
| LPC BL7114 | White/Black | | 1 | 0.030 |
| LPC BL7122 | Black/Red | I-0 | 5 | 0.030 |
| LPC BL7123 | Green/Red | I-0 | 5 | 0.030 |
| LPC BL7124 | White/Black | I-0 | 5 | 0.030 |
| LPC BL7133 | Green/Red | Start/Stop | 5 | 0.030 |
| One extended a adapter). Both s | nd one flush pus spring return. | hbuttons (w | vithout mo | unting |
| LPC BL7212 | Black/Red | | 1 | 0.030 |
| LPC BL7213 | Green/Red | | 5 | 0.030 |
| LPC BL7214 | White/Black | | 1 | 0.030 |
| LPC BL7222 | Black/Red | I-0 | 1 | 0.030 |
| LPC BL7223 | Green/Red | I-0 | 5 | 0.030 |
| LPC BL7224 | White/Black | 1-0 | 5 | 0.030 |
| LPC BL7233 | Green/Red | Start/Stop | 5 | 0.030 |
| | | | - | |
| Order code | Colour | Type of positions | Qty per pkg. | Wt |
| | | | n° | [kg] |
| 2 position (with | nout mounting a | dapter). | | |
| LPC SL1203 | Green | | 10 | 0.025 |
| LPC SL1204 | Red | $] \sim$ | 10 | 0.025 |
| LPC SL1205 | Yellow | | 10 | 0.025 |
| LPC SL1206 | Blue |] | 10 | 0.025 |
| LPC SL1208 | White | | 10 | 0.025 |
| LPC SL1213 | Green | | 10 | 0.025 |
| LPC SL1214 | Red | | 1 | 0.025 |
| LPC SL1215 | Yellow | | 1 | 0.025 |
| LPC SL1216 | Blue | 1 | 1 | 0.025 |
| LPC SL1218 | White | | 10 | 0.025 |
| 3 position (with | hout mounting a | dapter). | | |
| LPC SL1303 | Green | | 10 | 0.025 |
| LPC SL1304 | Red | $ \vee $ | 10 | 0.025 |
| LPC SL1305 | Yellow | 1 | 10 | 0.025 |
| LPC SL1306 | Blue | | 10 | 0.025 |
| LPC SL1308 | White | | 10 | 0.025 |
| LPC SL1313 | Green | | 10 | 0.025 |
| LPC SL1314 | Red | | 1 | 0.025 |
| LPC SL1315 | Yellow | 1 | 1 | 0.025 |
| LPC SL1316 | Blue | 1 | 1 | 0.02 |
| LPC SL1318 | White | 1 | 10 | 0.025 |
| | Green | | 10 | 0.025 |
| LLPP OF 1959 | | | 1 | 0.025 |
| LPC SL1323 | l Red | - | 1 | 0.025 |
| LPC SL1324 | Red Yellow | | | 0.020 |
| LPC SL1324 LPC SL1325 | Yellow | | | 0 025 |
| LPC SL1324 LPC SL1325 LPC SL1326 | Yellow Blue | - | 1 | |
| LPC SL1324 LPC SL1325 LPC SL1326 LPC SL1328 | Yellow Blue White | - | 1 10 | 0.025 |
| LPC SL1324 LPC SL1325 LPC SL1326 LPC SL1328 LPC SL1333 | Yellow Blue White Green | | 1 10 10 | 0.025 |
| LPC SL1324 LPC SL1325 LPC SL1326 LPC SL1328 LPC SL1333 LPC SL1334 | Yellow Blue White Green Red | | 1 10 10 1 | 0.025 0.025 0.025 |
| LPC SL1324 LPC SL1325 LPC SL1326 LPC SL1328 LPC SL1333 LPC SL1334 LPC SL1335 | Yellow Blue White Green Red Yellow | - \\$ | 1 10 10 1 1 | 0.025 0.025 0.025 0.025 |
| LPC SL1324 LPC SL1325 LPC SL1326 LPC SL1328 LPC SL1333 LPC SL1334 | Yellow Blue White Green Red | - | 1 10 10 1 | 0.025 0.025 0.025 0.025 0.025 0.025 0.025 |

Operational characteristics

- Any mounting position allowed
- Ambient conditions:
- Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- Degree of protection: Per IEC/EN: IP66, IP67 and IP69K Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

Polyamide.

Mechanical endurance

Operating force: <0.5kg (actuator). Mechanical life:

- double-touch: 1,000,000 cycles.
- selectors: 1,000,000 cycles.

Mounting adapter

See page 4-19.

Type: LPX AU120

Actuators are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations.

The mounting adapter directly snaps onto the actuator. **Contact elements**

See page 4-19, 4-22 or 4-23.

Туре

Termination Front-mount types snap onto LPX AU120 mounting adapter (to purchase separately).

For DOUBLE-TOUCH TYPES, up to 6 contacts can be fitted: 3 each on the left and right, one behind the other. For SELECTOR SWITCHES, up to 4 contacts can be fitted: 2 each on the left and right, one behind the other. They can also be fitted internally on the cover surface of LPZ control stations, up to 2 elements per actuator in addition to the LED element in the middle position.

| 1NO | LPX C10 | Screw |
|-----|----------|--------------|
| | LPX CF10 | Faston |
| | LPX CS10 | Spring clamp |
| 1EM | LPX C10A | Screw |
| 1NC | LPX C01 | Screw |
| | LPX CF01 | Faston |
| | LPX CS01 | Spring clamp |
| 1LB | LPX C01D | Screw |
| | | |

Base-mount types snap into LPZ control station base.

See example on page 4-26.

Up to 2 contacts can be fitted per control station actuator in addition to the LED element in the middle position.

| 1N0 | LPX CB10 | Screw |
|-----|----------|-------|
| 1NC | LPX CB01 | Screw |

Selector switch type of positions

- Maintained position.
- \checkmark Spring return position.

Selector switch rotation angles 2 position



LED light elements See pages 4-21 to 4-23.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.





CONTROL AND SIGNALLING UNITS Pilot lights PLatinum Ø22mm series

Pilot light heads



LPL...

| Order code | Colour | Qty per pkg | Wt |
|-------------|-----------------|----------------|-------|
| | | n° | [kg] |
| Without mou | nting 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 4 0 | 10 | 0.024 |

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



Operational characteristics

- Any mounting position allowed
- Ambient conditions:
 - Operating temperature: -25...+70°C • Storage temperature: -40...+85°C
- 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 4-19. Type: LPX AU120.

Pilot light heads are installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations, with LED element in central position.

The mounting adapter directly snaps onto the actuator.

LED light elements

See pages 4-21 to 4-23.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1 IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.

LED integrated monoblock pilot lights steady light



LPM...

| Order code | Rated auxi- liary supply voltage | LED colour | Qty per pkg | Wt |
|------------|--|---------------|----------------|-------|
| | | | n° | [kg] |
| LPM LA3 | 12VAC/DC | Green | 10 | 0.021 |
| LPM LA4 | | Red | 10 | 0.021 |
| LPM LA5 | | Yellow | 10 | 0.021 |
| LPM LA6 | | Blue | 10 | 0.021 |
| LPM LA7 | | Transparent | 10 | 0.021 |
| LPM LB3 | 24VAC/DC | Green | 10 | 0.021 |
| LPM LB4 | | Red | 10 | 0.021 |
| LPM LB5 | | Yellow | 10 | 0.021 |
| LPM LB6 | | Blue | 10 | 0.021 |
| LPM LB7 | | Transparent | 10 | 0.021 |
| LPM LD3 | 48VAC/DC | Green | 10 | 0.021 |
| LPM LD4 | | Red | 10 | 0.021 |
| LPM LD5 | | Yellow | 10 | 0.021 |
| LPM LD6 | | Blue | 10 | 0.021 |
| LPM LD7 | | Transparent | 10 | 0.021 |
| LPM LE3 | 110VAC | Green | 10 | 0.024 |
| LPM LE4 | | Red | 10 | 0.024 |
| LPM LE5 | | Yellow | 10 | 0.024 |
| LPM LE6 | | Blue | 10 | 0.024 |
| LPM LE7 | | Transparent | 10 | 0.024 |
| LPM LM3 | 230VAC | Green | 10 | 0.024 |
| LPM LM4 | | Red | 10 | 0.024 |
| LPM LM5 | | Yellow | 10 | 0.024 |
| LPM LM6 | | Blue | 10 | 0.024 |
| LPM LM7 | | Transparent | 10 | 0.024 |

Operational characteristics

- Nominal frequency: 50-60Hz Supply voltage: 12VAC/DC, 24VAC/DC, 48VAC/DC, _ 110VAC, 230VAC (-15%...+10% Ue)
- Consumption: ≤20mA
- _ Installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on cover of LPZ control stations
- Electrical life: >30,000 hours
- -Screw termination
- _ Side cable entry
- _ Maximum tightening torque: 0.8Nm
- _ Ambient conditions:
- Operating temperature: -5...+40°C
- Degree of protection: • per IEC/EN: IP66, IP67 and IP69K on front; IP20 at rear
 - per UL: Type 1, 2, 3R, 4, 4X, 12, 12K on front.

Materials

Polyamide.

Maximum conductor cross section

1 or 2 1.5mm² or AWG16 cables.

Wiring diagram



Certifications and compliance

Certifications obtainedi: cULus (ongoing), EAC, CCC (ongoing).

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





Potentiometer PLatinum Ø22mm series

Monoblock potentiometers



LPC PA..

| Order code | Resistance value | Qty per pkg. | Wt |
|------------|------------------|--------------------|-------|
| | | n° | [kg] |
| LPC PA001 | 1kΩ | 10 | 0.040 |
| LPC PA002 | 2,5kΩ | 10 | 0.040 |
| LPC PA005 | 5kΩ | 10 | 0.040 |
| LPC PA010 | 10kΩ | 10 | 0.040 |
| LPC PA050 | 50kΩ | 10 | 0.040 |
| LPC PA100 | 100kΩ | 10 | 0.040 |
| LPC PA500 | 500kΩ | 10 | 0.040 |

General characteristics

Monoblock potentiometers are typically used for regulating the parameters of many devices (e.g. the speed of the electric motors through static converters). The monoblock body design permits direct use of the potentiometer by panel fitting with fixing ring and subsequent tightening of cables into the built-in terminal block.

The potentiometer is made with Cermet technology, which ensures stable, constant resistance values over time. The, UL-certified, range is made for resistance values from 1 to 500kΩ. All potentiometers are IP66, IP67 and IP69K, which means that they can be used in demanding ambient conditions.

Operational characteristics

- rated insulation voltage Ui: 250VAC
- impulse withstand voltage Uimp: 4kV
- potentiometer included in the product
- monoblock body with 1-turn graduated scale
- any fitting position permitted Installed through a Ø22mm/0.89" drilling with a
- threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations - resistive material: cermet
- operation: linear
- resistance tolerance: ±10%
- max. power: 1W (70°C)
 mechanical endurance: 25,000 operations
- mechanical travel: 290° _
- Side cable entry
- Ambient conditions:
 - Operational temperature: -25...+70°C
 - Storage temperature: -40...+85°C
 - Degree of protectione: • per IEC/EN: IP66, IP67 and IP69K on front
 - per IEC/EN: IP20 at rear
 - per UL: type 1, 2, 3R, 4, 4X, 12, 12K on front.

Materials Polyamide.

Maximum conductor cross section

Screw terminal connections with three separate connections:

- min. cable 0.5mm² / AWG24
- max. cable 2.5mm² / AWG14
- maximum tightening torque: 0.5Nm
- flat-head screwdriver: 0.6 x 3.5mm.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC (ongoing), RINA (ongoing). Compliant with standards: IEC/EN 60947-1,

IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



Buzzers and communication interface PLatinum Ø22mm series

nev

Monoblock buzzers



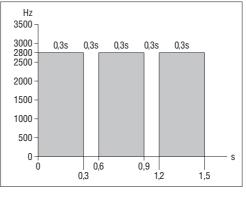
LPC ZS...



LPC ZS...IP

| Order code | Voltage | Sound intensity at 2800Hz | Qty per pkg. | Wt |
|-----------------|----------------------|---------------------------------|--------------------|-------|
| | [V] | [dB/10cm] | n° | [kg] |
| Continuous or p | oulse tone, IP40 ver | rsion. | | |
| LPC ZSA | 915VAC/DC | 90 | 1 | 0.020 |
| LPC ZSB | 1830VAC/DC | 90 | 1 | 0.020 |
| LPC ZSE | 85140VAC/DC | 90 | 1 | 0.020 |
| LPC ZSM | 185265VAC/DC | 90 | 1 | 0.020 |
| Continuous or p | oulse tone, IP66, IP | 67, IP69K ve | rsion. | |
| LPC ZSAIP | 915VAC/DC | 80 | 1 | 0.020 |
| LPC ZSBIP | 1830VAC/DC | 80 | 1 | 0.020 |
| LPC ZSEIP | 85140VAC/DC | 80 | 1 | 0.020 |
| LPC ZSMIP | 185265VAC/DC | 80 | 1 | 0.020 |

Pulse-tone sound graph



USB and RJ45 communication interfaces



| Order code | Description | Qty per pkg. | Wt |
|------------|--|--------------------|-------|
| | | n° | [kg] |
| LPC D01 | USB interface, A/A female type connection | 1 | 0.018 |
| LPC D03 | USB interface, A/B female type connection | 1 | 0.018 |
| LPC D05 | USB interface, B/A female type connection | 1 | 0.018 |
| LPC D06 | RJ45 interface, Ethernet connection type | 1 | 0.026 |





LPC D03

LPC D05



General characteristics

Monoblock buzzers are used as sound indicators in automation systems and on-board machinery in the production processes, Long life, low consumption values, compact size and the use of materials, in accordance with the North American market, are the main features of this product.

Operational characteristics

- Rated frequency: 50...60Hz Supply voltage: 9..15VAC/DC, 18..30VAC/DC, 85..140VAC/DC, 185..265VAC/DC
- Maximum absorption: 20mA-0,30W (type
 Maximum absorption: 20mA-0,30W (type
 9.15VAC/DC), 15mA-0,40W (type 18..30VAC/DC),
 5,5mA-0,80W (type 85..140VAC/DC), 3,5mA-0,95W (type 185..265VAC/DC)
- minimum activation voltage: >4V (type 9..15VAC/DC),
 >8V (type 18..30VAC/DC), >15V (type 85..140VAC/DC), >25V (type 185..265VAC/DC)
 impulse withstand voltage Uimp: 4kV
 Installed through a Ø22mm/0.89" drilling with a
- threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations
- Service life: 30,000 hours (permanently powered)
- Side cable entry
- Ambient conditions:
 - Operational temperature: -25...+70°C
 Storage temperature: -40...+85°C
- Degree of protection (type LPC ZS...IP):
 per IEC/EN: IP66, IP67, IP69K on front and IP20 at rear
 per UL: type 1, 2, 3R, 4, 4X, 12, 12K on front.
- Materials Polvamide.

Maximum conductor cross section

Screw terminal connections with three separate connections:

- min. cable 0.5mm² / AWG24
 max. cable 2.5mm² / AWG14
- maximum tightening torque: 0.5Nm
- flat-head screwdriver: 0.6 x 3.5mm.

Certifications and compliance Certifications obtained: cULus (ongoing), EAC, CCC (ongoing), RINA (ongoing). Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.

General characteristics

USB and RJ45 communication interface connectors are used in industrial environments, which in recent years have seen an increase in the number of connections between machines, production lines, equipment and measuring instruments. These interfaces provide the transmission of data in both directions between the various devices.

Operational characteristics

- rated insulation voltage for LPCD01, LPCD03, LPDC05: 5VAC/DC
- rated insulation voltage for LPDC06: 24VAC
- interface mechanical endurance: ≥750 insertions
- Installed through a Ø22mm/0.89" drilling with a threaded fixing ring (Tmax = 2.3Nm) also on the cover of LPZ control stations
- transmission characteristics for LPCD01, D03, D05: 5Gbps (625MB/sec)
- transmission characteristics for LPCD06: 10 Gigabit Ethernet IEEE 802.3an-2006 rated current for LPCD01, LPCD03, LPCD05: 1.8A
- rated current for LPCD06: 1.5A
- insulation resistance: ≥100M0hm

- contact resistance for LPCD01, LPCD03, LPCD05: <30m0hm contact resistance for LPCD06: <40m0hm USB connector class: 3.0 (backward compatible with USB class 2.0)
- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Degree of protection:
 - per IEC/EN: IP65 on front (with cap mounted)
 per IEC/EN: IP20 at rear
 per UL: type 1, 2, 3R, 4, 4X, 12, 12K on front (with
 - cap mounted)

Materials

Polvamide

Certifications and compliance

Certifications obtained: cULus, EAC, CCC (ongoing), RINA (ongoing)

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



PAGE 4-14



Accessories and spare parts PLatinum Ø22mm series

Accessories and spare parts



LPX A130











LPX BO









LPX BL105



| Order code | Description | Qty per | Wt |
|-----------------------------------|---|------------|---------------|
| | | pkg. n° | [ka] |
| LPX A127 | Transparent diffuser for | 10 | [kg] 0.001 |
| | double-touch buttons | 10 | 0.001 |
| LPX A130 | Threaded plug for unused drilled holes (grey) | 10 | 0.007 |
| LPX A140 | Action plug for centre contact | 50 | 0.001 |
| LPX A150 | Rod for mechanical reset button (I=150mm) | 10 | 0.006 |
| LPX A170 | Spare standard key set for selector switches or mushroom-head buttons, key code n° 455 | 10 | 0.008 |
| LPX A170RO | Spare key set for selector switches or mushroom head buttons, LPC R type | 1 | 0.008 |
| LPX AU00 | Threaded ring for actuator fixing | 20 | 0.002 |
| LPX P01 | M20 cable gland with threaded ring for LPZ control stations | 50 | 0.012 |
| LPX BO | Flush-extended spring return actuator with no cap | 10 | 0.013 |
| LPX B3 | Shrouded spring return actuator with no cap | 10 | 0.014 |
| LPX QO | Flush-extended push-push actuator with no cap | 10 | 0.013 |
| LPX QLO | Illuminated flush-extended push-push actuator with no lens | 10 | 0.013 |
| Flush cap for spring | g-return actuators. | | |
| LPX B102 | Black | 10 | 0.002 |
| LPX B103 | Green | 10 | 0.002 |
| LPX B104 | Red | 10 | 0.002 |
| LPX B105 | Yellow | 10 | 0.002 |
| LPX B106 | Blue | 10 | 0.002 |
| LPX B108 | White pring-return actuators. | 10 | 0.002 |
| LPX B202 | Black | 10 | 0.003 |
| LPX B202 | Green | 10 | 0.003 |
| LPX B204 | Red | 10 | 0.003 |
| LPX B205 | Yellow | 10 | 0.003 |
| LPX B206 | Blue | 10 | 0.003 |
| LPX B208 | White | 10 | 0.003 |
| Flush lens for illumi actuators . | inated spring-return | | |
| LPX BL103 | Green | 10 | 0.002 |
| LPX BL104 | Red | 10 | 0.002 |
| LPX BL105 | Yellow | 10 | 0.002 |
| LPX BL106 | Blue | 10 | 0.002 |
| LPX BL107 | Transparent | 10 | 0.002 |
| Extended lens for il actuators. | luminated spring-return | | |
| LPX BL203 | Green | 10 | 0.003 |
| LPX BL204 | Red | 10 | 0.003 |
| LPX BL205 | Yellow | 10 | 0.003 |
| LPX BL206 | Blue | 10 | 0.003 |

LPX BL207 10 0.003 Transparent Versions with different key code. Complete with the numeric code of the key. The following versions are available: 421E, 458A, 520E, 3131A, 3433E Example of complete code: LPX A170R421E.



PAGE 4-15

Accessories and spare parts PLatinüm Ø22mm series



Accessories and spare parts LPX AU100



LPX AU108 LPX AU109



LPX AU158



8 LM2T A185



LPX AU159



LPX DIN

| Order code | Description | Qty per pkg. | Wt |
|-------------------|---|-----------------|-------|
| | | n° | [kg] |
| LPX AU100 | Label holder for engraved plastic LPX AU109 label | 50 | 0.001 |
| LPX AU109 | Engravable silver plastic label to use with LPX AU100 holder | 50 | 0.002 |
| LPX AU105 | Label holder for engraved plastic LPX AU108 label | 50 | 0.003 |
| LPX AU108 | Engravable silver plastic label to use with LPX AU105 holder | 50 | 0.002 |
| LPX AU1300 | Rubber boot for flush button LPC B1/BL1/R1 | 10 | 0.006 |
| LPX AU1400 | Rubber boot for buttons LPC B2/3, LPC BL2 and LPC R2 | 10 | 0.009 |
| LPX AU157 | Rubber boot for double and triple-touch buttons, transparent | 10 | 0.007 |
| LPX AU167@® | Rubber boot for mushroom head buttons LPC B63/B66/B67/ BL66 transparent | 10 | 0.012 |
| LPX AU15800 | Padlockable protection, Ø5-8mm locks or buttons LPC B66/B67/ B68/BL664; for LPC B634 Ø5-6mm/0.2-0.24" locks only. | 10 | 0.005 |
| LPX AU159@@ | Shroud for buttons LPC B63, LPC B66/67/68/BL666 | 10 | 0.010 |
| LPX DIN | Adapter for mounting LPC buttons on DIN rail 35mm wide (2 modules) | 10 | 0.008 |
| Other accessories | 5 | | |
| 8 LM2T A161 | Ø30mm/1.2" hole size adapter set for 22mm/ 0.87" (use 2 per hole) | 10 | 0.002 |
| 8 LM2T A185 | Yellow selector protection shroud for knob type only | 10 | 0.004 |
| 8 LM2T A200 | Socket spanner/wrench for fixing ring fitting, metal | 1 | 0.184 |

For flush and extended push buttons, comple the order code by adding the digit of the required colour:
 2 (black); 3 (green): 4 (red); 5 (yellow); 6 (blue); 7 (transparent); 8 (white). For illuminated push buttons, add only digit 7 (transparent).
 Cannot be used when LPX AU100 or LPX AU105 is fitted.
 Cannot be used when LPX AU167 is fitted.





Wt

Qty

per pkg

Accessories and spare parts

PLatinüm Ø22mm series

Order code

Text

Labels with text for LPX AU100 legend holder

STOP

8 LM2T AGB230

| | | per pkg | |
|----------------------|--|--|---|
| | | n° | [kg] |
| General use. | | | - |
| 8 LM2T AU206 | Blank for writing | 50 | 0.001 |
| 8 LM2T AU207 | Sheet with 108 labels for laser printing | 10 | 0.005 |
| 8 LM2T AU208⊕ | Sheet with 108 customized text | 10 | 0.005 |
| 8 LM2T AI210 | LATCH | 50 | 0.001 |
| 8 LM2T AI211 | OPEN | 50 | 0.001 |
| 8 LM2T AI212 | STOP | 50 | 0.001 |
| 8 LM2T AI213 | GENERAL STOP | 50 | 0.001 |
| 8 LM2T AI214 | STOP RESET | 50 | 0.001 |
| 8 LM2T AI215 | FORWARD | 50 | 0.001 |
| 8 LM2T AI216 | CLOSE | 50 | 0.001 |
| 8 LM2T AI217 | RIGHT | 50 | 0.001 |
| 8 LM2T AI218 | LOWER | 50 | 0.001 |
| 8 LM2T AI219 | DEACTIVATED | 50 | 0.001 |
| 8 LM2T AI220 | EMERGENCY | 50 | 0.001 |
| 8 LM2T AI221 | OFF | 50 | 0.001 |
| 8 LM2T AI222 | REVERSE | 50 | 0.001 |
| 8 LM2T AI223 | ON | 50 | 0.001 |
| 8 LM2T AI237 | INTERVENTO TERMICO | 50 | 0.001 |
| 8 LM2T AI224 | SLOW | 50 50 50 50 50 50 50 50 50 | 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 |
| 8 LM2T AI225 | START | | |
| 8 LM2T AGB226 | RESET | | |
| 8 LM2T AI226 | RESET | | |
| 8 LM2T AI227 | RAISE | | |
| 8 LM2T AI228 | LEFT | | |
| 8 LM2T AI229 | POWER ON | | |
| 8 LM2T AGB225 | START | 50 | |
| 8 LM2T AGB230 | STOP | 50 | |
| 8 LM2T AGB214 | STOP-RESET | 50 | 0.001 |
| 8 LM2T AI231 | FAST | 50 | 0.001 |
| For selector switc | hes. | | |
| 8 LM2T AI232 | ARR-MAR | 50 | 0.001 |
| 8 LM2T AI233 | AUTO-MAN | 50 | 0.001 |
| 8 LM2T AI234 | AUTO-O-MAN | 50 | 0.001 |
| 8 LM2T AI242 | MAN-O-AUTO | 50 | 0.001 |
| 8 LM2T AI235 | FWD-0-REV | 50 | 0.001 |
| 8 LM2T AI236 | ON - OFF. | 50 | 0.001 |
| 8 LM2T AI241 | MAN-AUTO | 50 | 0.001 |
| 8 LM2T AGB232 | STOP-START | 50 | 0.001 |
| 8 LM2T AGB236 | OFF-ON | 50 | 0.001 |
| International labels | | 1 | |
| 8 LM2T AU200 | 0 | 50 | 0.001 |
| 8 LM2T AU201 | 1 | 50 | 0.001 |
| 8 LM2T AU202 | II | 50 | 0.001 |
| | for selector switches. | 1 | |
| 8 LM2T AU203 | 0-1 | 50 | 0.001 |
| 8 LM2T AU204 | 11.11 | 50 | 0.001 |
| 8 LM2T AU205 | I-II I-O-II | 50 50 | 0.001 |

General characteristics

The labels have indelible scratch-proof black lettering on metalised grey polycarbonate background (adhesive).

Lovato

Recommended use with LPX AU109 label.
 Sheet with 108 adhesive labels.
 Complete code with required label text.

Accessories and spare parts PLatinüm Ø22mm series



Plastic disk for mushroom head pushbuttons



LPX AU113



LPX AU115



LPX AU110

| Order code | Text | Qty per pkg. | Wt |
|------------|---|-----------------|-------|
| | | n° | [kg] |
| LPX AU113 | EMERGENCY STOP Ø90mm/3.5" | 10 | 0.005 |
| LPX AU115 | EMERGENCY STOP Ø60mm/2.4" | 10 | 0.003 |
| LPX AU110 | Adhesive label EMERGENCY STOP (34.5x65mm/1.36x2.56") for LPC B63/663/664/ 67/68/BL66buttons | 12 | 0.001 |

General characteristics The disks are made of non-adhesive plastic. Plastic disks cannot be used with LPX AU158 and LPX AU159 protection.





Contact and light elements

PLatinum Ø22mm series

Mounting adapter



LPX AU120





LPX C...



LPX C01SM

```
LPX CO2SM
```



LPX E...

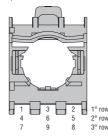


LPX CF01

- 1 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 and suitable for push-push actuators. B) Direct (positive) opening action ⊖ in accordance with IEC/EN 60947-5-1.
 In Normally closed contact with late break operation.

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

Rear view (reference for element installation)



| Order code | Function | Qty per pkg | Wt |
|------------|----------|----------------|------|
| | | n° | [kg] |

Screw termination.

| without mounting adapter. | | | | | |
|---------------------------|------------------------|----|-------|--|--|
| LPX C100 | .3 \.4 NOO | 10 | 0.011 | | |
| LPX C10A | .7 ∖.8 EM❷ | 10 | 0.011 | | |
| LPX CO1⊖ | L.1 (⊖ NC❸ | 10 | 0.011 | | |
| LPX C01D 0 ⊖ | L.5 ∕⊖ LB 00 | 10 | 0.011 | | |

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

| LPX CO1SM0⊖ | .1 .2 .2 | 1 | 0.022 |
|--------------------|------------------------------------|---|-------|
| LPX CO2SMO⊖ | ↔ .3 .1 .1 .1 2NCOO .4 .2 .2 | 1 | 0.033 |
| Screw termination. | | | |

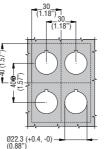
With mounting adapter

| with mounting adap | | | |
|--------------------|-----------------|----|-------|
| LPX E100 | .3 ∖NO❶ | 10 | 0.029 |
| LPX E01⊖ | l.¹ ∕₂ ⊖ NC❸ | 10 | 0.029 |

Faston termination. Without mounting adapter

| initiout iniouning a | aapton | | |
|----------------------|-----------------|----|-------|
| LPX CF100 | .3 ∖NO❶ | 10 | 0.012 |
| LPX CF01 ⊖ | .1 ∕.2 ⊖ NC€ | 10 | 0.012 |

Drillings - Minimum recommended distances



6 When using Faston, pitch is 85mm minimum.

Operational characteristics

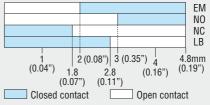
- Any mounting position allowed.
 - All LPX C... types snap onto LPX AU120 mounting adapter:
 - See the combinations given under "Contact elements" in the right-hand column for each type of pushbutton and selector switch.
 - A maximum of 3 contacts or 2 contacts and 1 LED element (LPX L... mounted in 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 LPX...SM 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 C...SM types.
 - Maximum tightening torque for screw terminals: 1Nm
 - Ambient conditions • Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C Degree of protection:
 - 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 IEC/EN 60947-5-1 designation: A600 Q600.

| IEC/ | 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 | 1 | 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. Contact resistance: ≤20mΩ. Terminals : Clamp screw with washer. Faston 1x6.35mm or 2x2.8mm. | | | | | | | | | |

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 (auxiliary contacts). Electrical life: 1,000,000 cycles for LPXC10/01/E01/10, LPX C01SM/02SM, LPXCF10/01; 600,000 cycles for I PXC10A/01D

Certifications and compliance Certifications obtained: EAC, cULus, CCC, RINA. Compliant with standard: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.



Contact and light elements

PLatinüm Ø22mm series

Test elements for steady-light LED elements



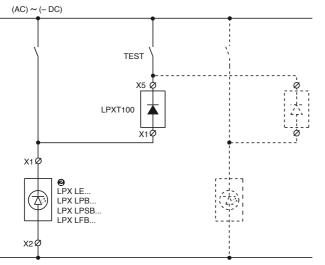
| | Decomption | per pkg | |
|------------|--|------------|-------|
| | | n° | [kg] |
| LPX T10000 | Use with LED elements in AC/DC, types LPX LE (all), LPX LFB, LPX LPB and LPX LPSB | 10 | 0.011 |
| LPX T101@ | Use with LED elements at 85-140VAC for types LPX LFE LPX LPE and LPX LPSE | 10 | 0.011 |
| LPX T102@ | Use with LED elements at 185-265VAC for types LPX LFM, LPX LPM and LPX LPSM | 10 | 0.011 |

Order code Description

Whenever test circuits include illuminated actuators connected with paralleled load, use two LPX T100 for each LED element. Refer to the wiring diagram below.

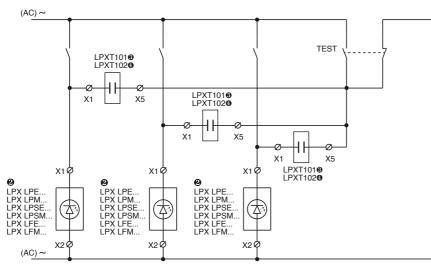
With DC supply only for LPX T100 type, the LED element works at full voltage and brightness while with AC supply for all LPX T... types, the LED element works at half voltage so with reduced brightness level.

For LPX T100 test element



(AC) ~ (+ DC)

For LPX T101 and LPX T102 test elements



6 Use with LPX LFE..., LPX LPE... or LPX LPSE... type.

Use with LPX LFM..., LPX LPM... or LPX LPSM... type.



Operational characteristics

Qtv Wt

- Supply voltage:
- LPX T100 test element:
- 12...30VAC/DC for LPX LEB/LFB/LPB/LPSB...
 85...140VAC/DC for LPX LEE...
- 185...265VAC/DC for LPX LEM.
- LPX T101 test element: 85-140VAC
- LPX T102 test element: 185-265VAC
- For use with LED elements LPX LPBB/LPBE/LPBM... types, contact our Customer Service 1800 252 995 or sales@mechtric.com.au
- Electrical life: 100,000 hours
- Any mounting position allowed
- Snap onto LPX AU120 mounting adapter beside the LED element or stacked behind contact elements; also internally on the LPZ control station cover
- Maximum tightening torque for screw terminals: 1Nm
 Ambient conditions:
- Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Degree of protectio: IP20.

Mounting adapter

Type: LPX AU120. See page 4-19. The mounting adapter directly snaps onto the actuator fixed to the mounting surface.

Maximum conductor cross section

1 or 2 2.5mm² or AWG 12 cables.

Wiring Diargram For LPX T100



Certifications and compliance

Certifications obtained: cULus and EAC; CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.





Qty Wt

Contact and light elements

PLatinum Ø22mm series

Rated supply LED

Order code

LED elements steady light



LPX LP...

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



LPX LE...

Simple protection and to withstand

LED elements flashing light



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

| | voltage | colour | per pkg. | VVL |
|-------------------------|----------------------|---------------|-------------|-------|
| | [V] | | n° | [kg] |
| Steady light, screw ter | | | | |
| Supplied without mou | 12-30V | Green | 10 | 0.016 |
| LPX LP B4 | AC/DC | Red | 10 | 0.016 |
| LPX LP B5 | | Yellow | 10 | 0.016 |
| LPX LP B6 | | Blue | 10 | 0.010 |
| LPX LP B8 | | White | 10 | 0.016 |
| LPX LP E3 | 85-140V | Green | 10 | 0.016 |
| LPX LP E4 | AC | Red | 10 | 0.010 |
| LPX LP E5 | | Yellow | 10 | 0.010 |
| LPX LP E6 | - | Blue | 10 | 0.010 |
| LPX LP E8 | | White | 10 | 0.016 |
| LPX LP M3 | 185-265V | Green | 10 | 0.016 |
| LPX LP M4 | AC | Red | 10 | 0.016 |
| LPX LP M5 | | Yellow | 10 | 0.016 |
| LPX LP M6 | | Blue | 10 | 0.016 |
| LPX LP M8 | 1 | White | 10 | 0.016 |
| <u></u> | | 1.55 | | 14/1 |
| Order code | Rated supply voltage | LED colour | Qty per | Wt |
| | voltage | ooloui | pkg. | |
| | [V] | | n° | [kg] |
| Steady light, screw ter | | | | |
| Supplied without mou | | - | | |
| LPX LE B3 | 12-30V AC/DC | Green | 10 | 0.016 |
| LPX LE B4 | A0/D0 | Red | 10 | 0.016 |
| LPX LE B5 | | Yellow | 10 | 0.016 |
| LPX LE B6 | | Blue | 10 | 0.016 |
| LPX LE B8 | 05 1401/ | White | 10 | 0.016 |
| LPX LE E3 | 85-140V AC/DC | Green Red | 10 10 | 0.016 |
| LPX LE E4 | | Yellow | 10 | 0.016 |
| LPX LE ES | | Blue | 10 | 0.016 |
| LPX LE E8 | | White | 10 | 0.010 |
| LPX LE M3 | 185-265V | Green | 10 | 0.010 |
| LPX LE M4 | AC/DC | Red | 10 | 0.010 |
| LPX LE M5 | | Yellow | 10 | 0.010 |
| LPX LE M6 | | Blue | 10 | 0.010 |
| LPX LE M8 | | White | 10 | 0.016 |
| | | | | |
| Order code | Rated supply voltage | LED colour | Qty per | Wt |
| | | | pkg. | |
| | [V] | | n° | [kg] |
| | | | | |

Flashing light, screw termination.

| Supplied without mou | nting 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 | 85-140V AC | 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 | 185-265V | Green | 10 | 0.016 |
| LPX LF M4 | AC | 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 frequency: 50-60Hz
- Rated 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)
- (185...2050AC/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
 Ta with based divisions

- 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
- 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 4-19. 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

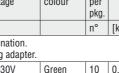


Certifications and compliance

Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1. IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



PAGE 4-21 Perth (08) 9248 0410



Order code

Contact and light elements PLatinum Ø22mm series

Contact elements with spring-clamp terminals



LPX CS10

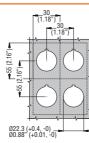
LED elements steady light with spring-clamp terminals

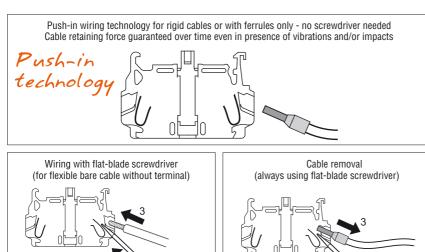


Total protection against overvoltages and stray currents in wiring, to reduce flickering phenomenon and withstand

Drillings - Minimum recommended distances

vibrations.





| | | n° | [kg] |
|---|---------------|----|-------|
| Spring-clamp termir Without mounting a | | | |
| LPX CS100 | .3 \.4 NOO | 10 | 0.010 |
| LPX CS01⊖ | | 10 | 0.010 |

Q.ty Wt

per , pkg

Function

 Not suitable for push-push actuators. ${}^{\it O}$ Direct (positive) opening action \ominus in accordance with IEC/EN 60947-5-1

| Order code | Rated supply voltage | LED colour | Q.ty per pkg | Wt |
|------------|----------------------|---------------|--------------------|------|
| | [V] | | n° | [kg] |

Steady light, with spring-clamp termination.

| Without mounting adapter. | | | | | | | |
|---------------------------|-------------|--------|----|-------|--|--|--|
| LPX LPS B3 | 12-30VAC/DC | Green | 10 | 0.015 | | | |
| LPX LPS B4 | | Red | 10 | 0.015 | | | |
| LPX LPS B5 | | Yellow | 10 | 0.015 | | | |
| LPX LPS B6 | | Blue | 10 | 0.015 | | | |
| LPX LPS B8 | | White | 10 | 0.015 | | | |
| LPX LPS E3 | 85-140VAC | Green | 10 | 0,015 | | | |
| LPX LPS E4 | | Red | 10 | 0.015 | | | |
| LPX LPS E5 | | Yellow | 10 | 0.015 | | | |
| LPX LPS E6 | | Blue | 10 | 0.015 | | | |
| LPX LPS E8 | | White | 10 | 0.015 | | | |
| LPX LPS M3 | 185-265VAC | Green | 10 | 0.015 | | | |
| LPX LPS M4 | | Red | 10 | 0.015 | | | |
| LPX LPS M5 | | Yellow | 10 | 0.015 | | | |
| LPX LPS M6 | | Blue | 10 | 0.015 | | | |
| LPX LPS M8 | | White | 10 | 0.015 | | | |

Any mounting position allowed Elements snap onto LPX AU120 adapter, also internally on

Operational characteristics

- LPZ control station cover with maximum of 3 LPX CS... contact or 2 LPX CS... contact and 1 LPX LPS... LED elements (in middle position) per actuator
- No other element can be stacked behind LED elements - See the combinations given under "Contact elements"
- in the right-hand column for each type of pushbutton and selector switch
- Suitable for applications with vibration and/or impact work conditions; cable retaining force guaranteed over time in these conditions
- For use with the test elements, see page 4-20
- Wiring also possible after installation with stacked
- contacts
- Ambient conditions:
- Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- Degree of protection: IP20.

Mounting adapter

See page 4-19. Type : LPX AU120. The mounting adapter directly snaps onto the actuator fixed to the mounting surface.

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

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 | |
|-----|----|----|----|------|-----|-----|-----|-----|--|
| | | | | 0.55 | | | | | |

3 1.5 0.55 0.27 0.15 0.13 0.1 [A] | 3 Short circuit protection fuse: max calibre: 10A gG. Contact resistance: ≤20mΩ. Terminals: Spring clamps.

Stroke of contact eleme

| Shoke of contact crements | | | | | | | |
|---------------------------|----------|------------|-----------|--|--|--|--|
| | | | NO | | | | |
| | | | NC | | | | |
| 1 1 | 8 3 | 3 4 | 4.8mm | | | | |
| (0.03") (0.0 | 7") (0.1 | 1") (0.16" |) (0.19") | | | | |
| Closed con | itact | Open c | ontact | | | | |

Mechanical and electrical endurance of contact elements Opening force: ≤0,5kg

Electrical life: 1.000.000 cycles for LPX CS10 and LPX CS01. LED ELEMENTS

- rated frequency: 50-60Hz
- Supply voltage: 12...30VAC/DC; 85...140VAC; 185...265VAC
- Maximum consumption: 17mA-0,50W (12...30VAC/DC);
- 20mA-0,40W (85...140VAC); 18mA-0,55W (185...265VAC)
- Total protection:
- · Against overvoltages
- · Against stray currents in wiring
- · To reduce flickering phenomenon
- · To withstand vibrations
- minimum activation voltage:
- 4V-1mA (12...30VAC/DC); 30V-4mA (85...140VAC); 55V-4mA (185...265VAC)
- Electrical life: 100,000 hours

Wiring diagram for LED elements



Maximum conductor cross section

1 or 2 2.5mm² or AWG14 cables. For 2.5mm² section, use rounded cable terminal with metal end at least 10mm

Certifications and compliance

Certifications obtained: EAC, cULus, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



PAGE 4-22





Contact and light elements

PLatinum Ø22mm series

Contact elements, base mount on LPZ control stations



LPX CB...

LED elements, steady light base mount on LPZ control stations



LPX LPB...

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

| Order code | Function | Q.ty per pkg | Wt | | |
|--|----------|--------------------|-------|--|--|
| | | n° | [kg] | | |
| Screw termination. Direct snap-in mounting on LPZ control station base. | | | | | |
| LPX CB100 | | 10 | 0.012 | | |
| LPX CB01 \ominus | | 10 | 0.012 | | |

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

 \ominus NCØ

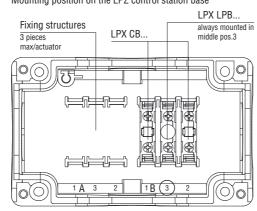
| Order code | Rated supply voltage | LED color | Qty per pkg. | Wt |
|-------------------|-------------------------|--------------|--------------------|------|
| | [V] | | n° | [kg] |
| Screw termination | | | | |

Steady light.

Direct snap-on mounting on LPZ... control station base.

| Briter thap on meaning on Er 2 control station base. | | | | |
|--|--------------------------------|--|--|--|
| 1230V | Green | 10 | 0.016 | |
| AC/DC | Red | 10 | 0.016 | |
| | Yellow | 10 | 0.016 | |
| | Blue | 10 | 0.016 | |
| | White | 10 | 0.016 | |
| 85140V | Green | 10 | 0.016 | |
| AC | Red | 10 | 0.016 | |
| | Yellow | 10 | 0.016 | |
| | Blue | 10 | 0.016 | |
| | White | 10 | 0.016 | |
| 185265V | Green | 10 | 0.016 | |
| AC | Red | 10 | 0.016 | |
| | Yellow | 10 | 0.016 | |
| | Blue | 10 | 0.016 | |
| | White | 10 | 0.016 | |
| | 1230V AC/DC 85140V AC | 1230V Green AC/DC Red Yellow Blue White S5140V AC Green AC Red Yellow Blue White Red Yellow Blue Blue White 185265V Green AC Yellow Blue White | 1230V Green 10 Red 10 Yellow 10 Blue 10 White 10 85140V Green 10 AC Green 10 Vellow 10 Ned 10 Blue 10 Ned 10 AC Green 10 Vellow 10 Blue 10 Blue 10 White 10 AC Green 10 Ned AC IO Ned 10 Blue 10 Blue 10 Blue 10 Blue 10 | |

Mounting position on the LPZ control station base



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
- See the combinations given under "Contact elements" in the right-hand column for each type of pushbutton and selector switch
- For use with test elements, contact our Customer Service 1800 252 995 or sales@mechtric.com.au
- Maximum tightening torque for screw terminals: 1Nm _ Ambient conditions:
 - Operating temperature: -25...+70°C Storage temperature: -40...+85°C
- Degree of protectione: IP20.

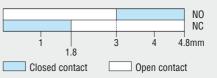
General characteristics

CONTACT ELEMENTS Wiping action and dual scaping-oscillating effect IEC rated insulation voltage: 690V IEC rated thermal current Ith: 10A Conductivity: 5V 1mA 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 | 2 | 4 | 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 Contact resistance: $\leq 20m\Omega$ | | | | | | | | | |

Terminals: Clamp screw and washer.

Stroke of contact elements



Mechanical and electrical endurance of contact elements Opening force: ≤0,5kg

Electrical life: 1,000,000 cycles for LPX CB10 and LPX CB01.

- LED ELEMENTS
- rated frequency: 50...60Hz
- Supply voltage: 12...30VAC/DC; 85...140VAC; 185...265VAC
- Maximum consumption: 17mA-0,50W (12...30VAC/DC); 20mA-0,40W (85...140VAC); 18mA-0,55W (185...265VAC)
- Total protection:
- Against overvoltages
- Against stray currents in wiring
 To reduce flickering phenomenon
- To withstand vibrations
- minimum activation voltage: steady light LPX LPB.....: 4V-1mA (12...30VAC/DC); 30V-4mA (85...140VAC); 55V-4mA (185...265VAC)
 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: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



Plastic control stations

PLatinum series

Without actuators



LPZ P1 A5



LPZ P2 A5

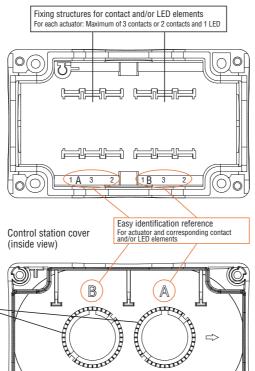


LPZ P3 A8

Anti-loosening action Anti-rotation indents to extend fixing ring gripping over time

| | Order code | Description | Cover colour | Q.ty per pkg | Wt |
|--|------------|-----------------|--------------|--------------------|-------|
| | | | | n° | [kg] |
| | LPZ P1 A5 | For 1 actuator | Yellow | 1 | 0.107 |
| | LPZ P1 A8 | For 1 actuator | Grey | 1 | 0.107 |
| | LPZ P2 A5 | For 2 actuators | Yellow | 1 | 0.152 |
| | LPZ P2 A8 | For 2 actuators | Grey | 1 | 0.152 |
| | LPZ P3 A8 | For 3 actuators | Grey | 1 | 0.187 |
| | LPZ P4 A8 | For 4 actuators | Grey | 1 | 0.200 |
| | LPZ P5 A8 | For 5 actuators | Grey | 1 | 0.240 |
| | LPZ P6 A8 | For 6 actuators | Grey | 1 | 0.290 |

Control station base



With one actuator



LPZ P1 B8 02



LPZ P1 B5 03

| Order code | Control station description | Actuator description | Q.ty per pkg | Wt | | | |
|---|-----------------------------------|---|--------------------|-------|--|--|--|
| | | | n° | [kg] | | | |
| LPZ P1 B8 01 | Grey, 1 way LPZ P1 A8 | Mushroom-head button LPC B6744 with STOP legend | 1 | 0.150 | | | |
| LPZ P1 B8 02 | Grey, 1 way LPZ P1 A8 | Mushroom-head button LPC B6344 with STOP legend | 1 | 0.135 | | | |
| LPZ P1 B5 02 | Yellow, 1 way LPZ P1 A5 | Mushroom-head button LPC B6344 | 1 | 0.135 | | | |
| LPZ P1 B5 030 | Yellow, 1 way LPZ P1 A5 | Mushroom-head button LPC B6644 | 1 | 0.150 | | | |
| 1 Varaian with rad amorganay aton, turn to release and vallage asymptot | | | | | | | |

1 Version with red emergency stop, turn to release and yellow cover to comply with ISO13850

Mechtric

General characteristics

CONTROL STATIONS WITHOUT ACTUATOR 1 to 6 ways

- Compact dimensions _
- Easy wiring for base-mount contact and LED elements; possible use of screw and spring-clamp terminal contact or LED elements on the inside surface of the cover using LPX AU120 mounting adapter
- Numerous cable entries

CONTROL STATIONS WITH ACTUATOR Standard supplied with actuator, label holder and STOP legend label excluding types with yellow cover, and one base-mount NC contact.

Operational characteristics

- Cable entry:
- LPZ P1... knockouts: M16/PG11 (1 at rear and 1 on left side)
 - M20/M25/PG13,5/PG16 (1 each on top and
 - bottom)
- LPZ P2... knockouts:
- M16/PG11 (2 at rear)
- M20/PG13,5 (1 on each side)
- M20/M25/PG13,5/PG16 (1 each on top and bottom)
- LPZ P3/P4/P5/P6 A8 knockouts:
- M16/PG11 (2 at rear)
 M20/PG13,5 (2 on each side)
- M20/M25/PG13,5/PG16 (1 each on top and bottom)
- Any mounting position allowed
- Tightening torque of cover screws Tmax: 1.8Nm Ambient conditions:
- Operating temperature: -25...+70°C
 Storage temperature: -40...+85°C
 Degree of protection:
- Per IEC/EN: IP66, IP67 and IP69K
 Per UL: type 1, 2, 3R, 4,4X, 12K.

Materials

Polycarbonate.

Certifications and compliance

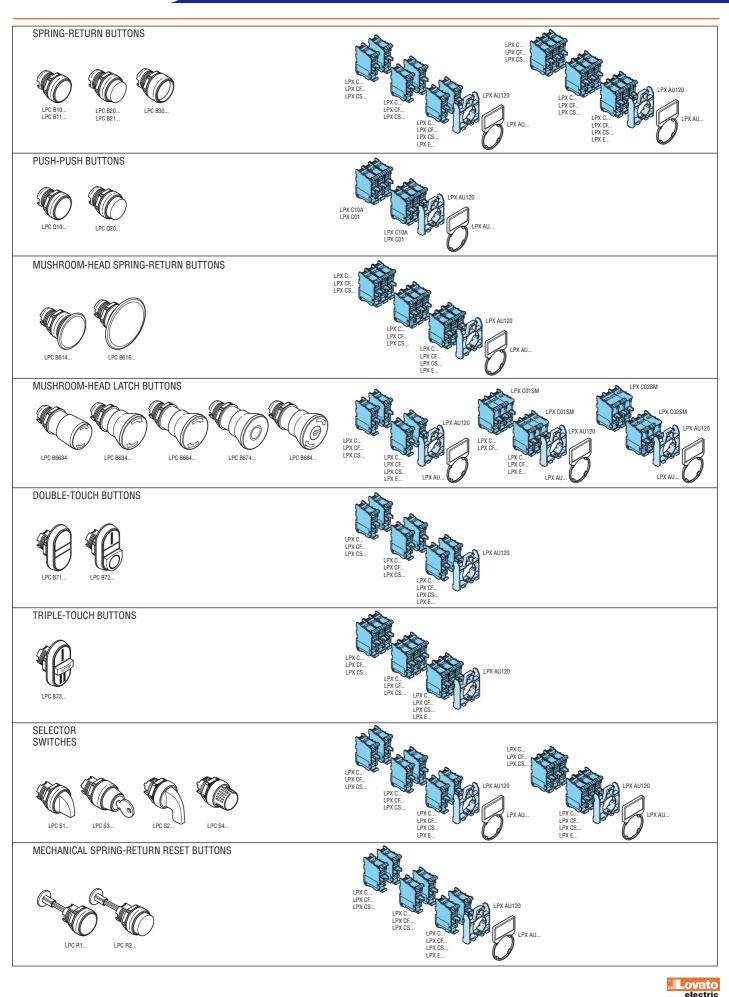
Certifications obtained: cULus, EAC, CCC, RINA. Compliant with standards: IEC/EN 60947-1,

IEC/EN 60947-5-1, UL508A for types without actuators / UL508 for types complete with actuator, CSA C22.2 n° 14.



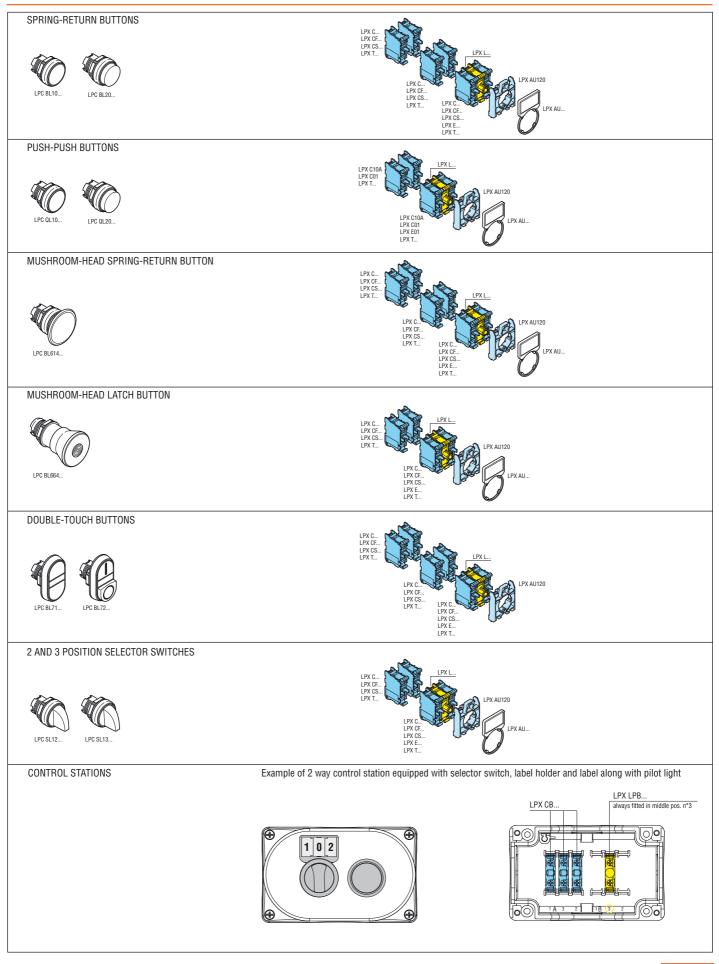


Combinations for pushbuttons and selector switches **PL**atinum Ø22mm series



Combinations for illuminated pushbuttons and selector switches <u>PLatinum Ø22mm</u> series







Pushbuttons and selector switches

8 LM Ø22mm metal series

Push-button actuators, spring return



8 LM2T B10...



8 LM2T B20...



Push-button actuators, spring return, with symbol





| Order code | Colour | Qty per pkg | Wt |
|-------------------|----------------------------|----------------|-------|
| | | n° | [kg] |
| Flush (without m | ounting adapter). Spring r | eturn. | |
| 8 LM2T B102 | Black | 10 | 0.033 |
| 8 LM2T B103 | Green | 10 | 0.033 |
| 8 LM2T B104 | Red | 10 | 0.033 |
| 8 LM2T B105 | Yellow | 10 | 0.033 |
| 8 LM2T B106 | Blue | 10 | 0.033 |
| 8 LM2T B108 | White | 10 | 0.033 |
| Extended (without | it mounting adapter). Spri | ng return. | |
| 8 LM2T B202 | Black | 10 | 0.035 |
| 8 LM2T B203 | Green | 10 | 0.035 |
| 8 LM2T B204 | Red | 10 | 0.035 |
| 8 LM2T B205 | Yellow | 10 | 0.035 |
| 8 LM2T B206 | Blue | 10 | 0.035 |
| 8 LM2T B208 | White | 10 | 0.035 |
| Shrouded (witho | ut mounting adapter). Spr | ing return. | |
| 8 LM2T B302 | Black | 10 | 0.035 |
| 8 LM2T B303 | Green | 10 | 0.035 |
| 8 LM2T B304 | Red | 10 | 0.035 |
| 8 LM2T B305 | Yellow | 10 | 0.035 |
| 8 LM2T B306 | Blue | 10 | 0.035 |
| 8 LM2T B308 | White | 10 | 0.035 |

| Order code | Symbol | Colour | Qty per pkg | Wt | | |
|--|------------------------|-----------------|----------------|-------|--|--|
| | | | n° | [kg] | | |
| Flush (without mounting adapter). Spring return. | | | | | | |
| 8 LM2T B1102 | 0 | Black | 10 | 0.033 | | |
| 8 LM2T B1104 | | Red | 10 | 0.033 | | |
| 8 LM2T B1113 | Ι | Green | 10 | 0.033 | | |
| 8 LM2T B1118 | | White | 10 | 0.033 | | |
| 8 LM2T B1123 | II | Green | 10 | 0.033 | | |
| 8 LM2T B1128 | | White | 10 | 0.033 | | |
| 8 LM2T B1132 | STOP | Black | 10 | 0.033 | | |
| 8 LM2T B1134 | | Red | 10 | 0.033 | | |
| 8 LM2T B1142 | | Black | 10 | 0.033 | | |
| 8 LM2T B1148 | — 0 | White | 10 | 0.033 | | |
| 8 LM2T B1152 | 10 | Black | 10 | 0.033 | | |
| 8 LM2T B1158 | | White | 10 | 0.033 | | |
| 8 LM2T B1163 | START | Green | 10 | 0.033 | | |
| 8 LM2T B1168 | | White | 10 | 0.033 | | |
| 8 LM2T B1176 | R | Blue | 10 | 0.033 | | |
| 8 LM2T B1178 | | White | 10 | 0.033 | | |
| 8 LM2T B1196 | RESET | Blue | 10 | 0.033 | | |
| 8 LM2T B1502 | | Black | 10 | 0.033 | | |
| 8 LM2T B1512 | → ← | Black | 10 | 0.033 | | |
| Extended (withou | t mounting ad | apter). Spri | ng return. | | | |
| 8 LM2T B2102 | 0 | Black | 10 | 0.035 | | |
| 8 LM2T B2104 | | Red | 10 | 0.035 | | |
| 8 LM2T B2132 | STOP | Black | 10 | 0.035 | | |
| 8 LM2T B2134 | | Red | 10 | 0.035 | | |
| A A A A A A A A A A | La consella de la dise | An uimha nu lad | | | | |

• Arrow symbol can be used to indicate right or left.

Arrow symbol can be used to indicate up or down.

Operational characteristics

- Ambient conditions:
 Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
 Per IEC/EN: IP65
 - Per UL: type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mechanical endurance

Operating force: 0.8kg (actuator). Mechanical life: 1,000,000 cycles.

Mounting adapter

See page 4-35. Type: LM2T AU120.

Actuators latch onto the mounting adapter by simple rotation.

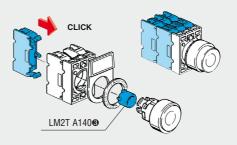
The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Auxiliary contacts

See page 4-35. Type:

LM2T C10 (1NO) LM2T CF10 (1NO Faston) LM2T C10A (EM) LM2T C01 (1NC) LM2T CF01 (1NC Faston) LM2T C01D (LB)

Auxiliary contacts snap onto the mounting adapter. Up to 6 auxiliary contacts can be fitted on the mounting adapter: 2 on the left, 2 at the centre and 2 on the right. To mount the auxiliary contacts in the centre position, use the accessory: LM2T A140 (see page 4-38).



8 The action plug LM2T A140 for the centre position is not standard supplied and must be purchased separately.

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14.



Pushbuttons and selector switches 8 LM Ø22mm metal series

Push-push button actuators





Mushroom head

push-button actuators

| Order code | Colour | Qty per pkg | Wt |
|--|---------------------|----------------|-------|
| | | n° | [kg] |
| Flush (without moun | ting adapter). Push | on-push off | |
| 8 LM2T Q1020 | Black | 10 | 0.033 |
| 8 LM2T Q1030 | Green | 10 | 0.033 |
| 8 LM2T Q1040 | Red | 10 | 0.033 |
| 8 LM2T Q1050 | Yellow | 10 | 0.033 |
| 8 LM2T Q1060 | Blue | 10 | 0.033 |
| 8 LM2T Q1080 | White | 10 | 0.033 |
| Extended (without mounting adapter). Push on-push off. | | | |
| 8 LM2T Q2020 | Black | 10 | 0.035 |
| 8 LM2T Q2030 | Green | 10 | 0.035 |
| 8 LM2T Q2040 | Red | 10 | 0.035 |
| 8 LM2T Q2050 | Yellow | 10 | 0.035 |
| 8 LM2T Q2060 | Blue | 10 | 0.035 |
| 8 LM2T Q2080 | White | 10 | 0.035 |
| I loo the early make type | LMOT C10A only | | |

Use the early-make type, LM2T C10A only. No normally open contact element, LM2T C10, must be used with this type of button actuators.

A maximum of 2 contact elements can be mounted only

| Order code | Colour | Qty per pkg | Wt |
|--|--------|----------------|-------|
| | | n° | [kg] |
| Spring return. Ø 40n (without mounting ad | | | |
| 8 LM2T B6142 | Black | 10 | 0.037 |
| 8 LM2T B6143 | Green | 10 | 0.037 |
| 8 LM2T B6144 | Red | 10 | 0.037 |
| 8 LM2T B6145 | Yellow | 10 | 0.037 |
| 8 LM2T B6146 | Blue | 10 | 0.037 |
| Spring return. Ø 60n (without mounting ad | | | |
| 8 LM2T B6162 | Black | 10 | 0.043 |
| 8 LM2T B6163 | Green | 10 | 0.043 |
| 8 LM2T B6164 | Red | 10 | 0.043 |
| 8 LM2T B6165 | Yellow | 10 | 0.043 |
| 8 LM2T B6166 | Blue | 10 | 0.043 |
| Latch, pull to release (without mounting ad | | | |
| 8 LM2T B6242 | Black | 10 | 0.105 |
| 8 LM2T B6244 | Red | 10 | 0.105 |
| Latch, turn to release (without mounting ad | | | |
| 8 LM2T B6342 | Black | 10 | 0.054 |
| 8 LM2T B6344 | Red | 10 | 0.054 |
| Latch, turn key to rel (without mounting ad | | | |
| 8 LM2T B6542 | Black | 10 | 0.091 |
| 8 LM2T B6542G@ | | 1 | 0.091 |
| 8 LM2T B6544 | Red | 10 | 0.091 |
| 8 LM2T B6544G❷ | | 1 | 0.091 |
| Latch, turn to release Ø 40mm (without mo | | 18) compliar | nt. |
| 8 LM2T B6644 | Red | 10 | 0.087 |

Versions with different key codes.

Complete with the numeric code of the key. The following versions are available: 501, 502, 503, 504, 505, 506, 507, 508, 509, 510. Example of complete code: 8 LM2T B6542G505.



Operational characteristics

- Ambient conditions:
- Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C
- Any mounting position is allowed - Degree of protection:
- - Per IEC/EN: IP65 for push-push and LM2T B654 actuators; IP66 for others.
 - Per UL: type 1, 2, 3R, 4, 4X, 12, 12K except for 8 LM2T B616 which is type 1, 2, 3R, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate

Mechanical endurance

Operating force: 0.8kg (actuator). Mechanical life:

- Push-push actuators: 500,000 cycles
- Mushroom head buttons: 1,000,000 cycles
- Mushroom head latch buttons: 300,000 cycles.

Mounting adapter

See page 4-35

Type: LM2T AU120.

Type:

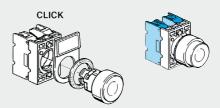
Actuators latch onto the mounting adapter by simple rotation.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Auxiliary contacts for push-push button actuators See page 4-35.

LM2T C10A (EM)

LM2T C01 (1NC) Auxiliary contacts snap onto the mounting adapter. Up to 2 auxiliary contacts can be fitted on the mounting adapter: 1 each on the right and left.

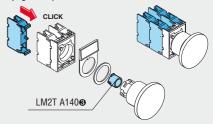


Auxiliary contacts for mushroom-head button actuators Type:

- LM2T C10 (1NO) LM2T CF10 (1NO Faston) LM2T C10A (EM) LM2T C01 (1NC) LM2T CF01 (1NC Faston) LM2T C01D (LB)

Auxiliary contacts snap onto the mounting adapter. Up to 4 auxiliary contacts can be fitted on the mounting adapter with LM2T B624... and LM2T B6644 types: 2 on the right and 2 on the left only.

Up to 6 auxiliary contacts can be fitted on the mounting adapter with all the other types: 2 on the left, 2 at the centre 2 on the right. To mount the auxiliary contacts in the centre position, use the accessory LM2T A140 (see page 4-38).



8 The action plug LM2T A140 for the centre position is not standard supplied and must be purchased separately.

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14; also IEC/EN 60947-5-5 for LM2T B6644.





8 LM2T B614... 8 LM2T B616...



8 LM2T B624...



8 LM2T B634...



8 LM2T B654...



8 LM2T B6644...

| T | | 1 | |
|---|--|---|--|
| | | 1 | |
| | | | |



Pushbuttons and selector switches

8 LM Ø22mm metal series

| Mechani | ical | reset |
|-----------|------|--------|
| buttons, | CO | mplete |
| unit, spr | ing | return |



8 LM2T R1196

Double-touch actuators, spring return



8 LM2T B71...



Triple-touch actuators, spring return



| Order code | Colour | Qty per pkg | Wt | | |
|---|--|----------------|-------|--|--|
| | | n° | [kg] | | |
| | Flush (5.2mm stroke). Spring return. Adjustable length 0-140mm max. | | | | |
| 8 LM2T R1002 | Black | 10 | 0.065 | | |
| 8 LM2T R1003 | Green | 10 | 0.065 | | |
| 8 LM2T R1004 | Red | 10 | 0.065 | | |
| 8 LM2T R1006 | Blue | 10 | 0.065 | | |
| 8 LM2T R11960 | Blue (RESET) | 10 | 0.065 | | |
| Extended (5.2mm stroke). Spring return. Adjustable length 0-140mm max. | | | | | |
| 8 LM2T R2004 | Red | 10 | 0.067 | | |
| Complete with mounting | adapter as well as the rod. | • | | | |

With "RESET" caption on actuator.

| Order code | Colour | Symbols | Qty per pkg | Wt |
|---|---------------|-------------|----------------|------|
| | | | n° | [kg] |
| Two flush push-bu Both spring return | | ıt mounting | g adapter) | |
| 8 LM2T B7112 | Black/Red | none | 5 | 0.04 |
| 8 LM2T B7113 | Green/Red | none | 5 | 0.04 |
| 8 LM2T B7114 | White/Black | none | 5 | 0:04 |
| 8 LM2T B7122 | Black/Red | I-0 | 5 | 0.04 |
| 8 LM2T B7123 | Green/Red | I-O | 5 | 0.04 |
| 8 LM2T B7124 | White/Black | I-O | 5 | 0.04 |
| 8 LM2T B7133 | Green/Red | Start/Stop | 5 | 0.04 |
| One extended and mounting adapter | | | (without | |
| 8 LM2T B7212 | Black/Red | none | 5 | 0.04 |
| 8 LM2T B7213 | Green/Red | none | 5 | 0.04 |
| 8 LM2T B7214 | White/Black | none | 5 | 0.04 |
| 8 LM2T B7222 | Black/Red | I-O | 5 | 0.04 |
| 8 LM2T B7223 | Green/Red | I-O | 5 | 0.04 |
| | White /Disale | 1-0 | 5 | 0.04 |
| 8 LM2T B7224 | White/Black | 10 | • | 0.0. |

| Order code | Symbols | Qty per pkg | Wt |
|--------------|---|----------------|-------|
| | | n° | [kg] |
| | and one middle extend adapter). All spring ret | | |
| 8 LM2T B7345 | | 5 | 0.044 |
| | STOP | | |
| | H | | |
| 8 LM2T B7355 | ↑ | 5 | 0.044 |
| | STOP | | |
| | | | |
| | • | | |
| 8 LM2T B7365 | → | 5 | 0.044 |
| | STOP | | |
| | | | |
| | | | |
| 8 LM2T B7375 | | 5 | 0.044 |
| | STOP | | |
| | | | |
| | | | |

Operational characteristics

- Ambient conditions:
- Operating temperature: -25...+60°C • Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
- Per IEC/EN: IP65 for mechanical reset buttons; IP40 for double and triple-touch actuators.
- Per UL: type 1, 2, 3R, 4, 4X, 12, 12K for 8 LM2T R...; for 8 LM2T B71... and
- 8 LM2T B72... type 1.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mechanical endurance

Operating force: 0.8kg (actuator) Mechanical life: 1,000,000 cycles

Mounting adapter

Type:

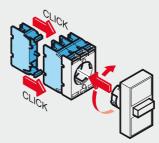
See page 4-35. Type: LM2T AU120. Actuators latch onto the mounting adapter by simple rotation. The adapter is fixed to the mounting surface by means

of incorporated screws (Tmax = 0.8Nm).

Auxiliary contacts for touch actuators See page 4

| 4-35. | |
|-------|------------------------|
| | LM2T C10 (1NO) |
| | LM2T CF10 (1NO Faston) |
| | LM2T C10A (EM) |
| | LM2T C01 (1NC) |
| | LM2T CF01 (1NC Faston) |
| | LM2T C01D (LB) |
| | |

Auxiliary contacts snap onto the mounting adapter.



DOUBLE-TOUCH ACTUATORS

Up to 4 auxiliary contacts can be fitted on the mounting adapter: 2 on the left and 2 on the right.

TRIPLE-TOUCH ACTUATORS

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

Certifications and compliance Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14.



Pushbuttons and selector switches 8 LM Ø22mm metal series



| Selector actuators knob | Order code | Type of positions | Qty per pkg | Wt |
|--|---------------------|-------------------------|----------------|-------|
| | | | n° | [kg] |
| | 2 position (without | t mounting adapter) |). | |
| | 8 LM2T \$120 | | 10 | 0.049 |
| | 8 LM2T \$121 | \sim | 10 | 0.049 |
| | 3 position (withou | it mounting adapter | r). | |
| | 8 LM2T \$130 | \checkmark | 10 | 0.049 |
| | 8 LM2T \$131 | | 10 | 0.049 |
| 8 LM2T S1 | 8 LM2T \$132 | $\langle \cdot \rangle$ | 10 | 0.049 |
| | 8 LM2T \$133 | $\sqrt{2}$ | 10 | 0.049 |
| | | | | |
| Selector actuators lever | Order code | Type of | Qty | Wt |
| | | positions | per pkg | |
| | | | n° | [kg] |
| State of the second sec | 2 position (without | t mounting adapter) |). | |
| | 8 LM2T \$220 | \sim | 10 | 0.050 |
| | 8 LM2T \$221 | V | 10 | 0.050 |
| | 3 position (withou | it mounting adapter | r). | |
| | 8 LM2T \$230 | \checkmark | 10 | 0.050 |
| | 8 LM2T S231 | | 10 | 0.050 |

8 LM2T S232

8 LM2T S233

Selector actuators key

8 LM2T S2...

8 LM2T S3...

| Order code | Type of positions | Qty per pkg | Wt | | |
|--|----------------------|----------------|-------|--|--|
| | | n° | [kg] | | |
| 2 position (without r | nounting adapter) | | | | |
| 8 LM2T \$320 | • | 10 | 0.079 | | |
| 8 LM2T \$320GO | | 1 | 0.079 | | |
| 8 LM2T \$321 | • • | 10 | 0.079 | | |
| 8 LM2T \$321GO | | 1 | 0.079 | | |
| 8 LM2T \$340 | • | 10 | 0.079 | | |
| 8 LM2T \$340GO | | 1 | 0.079 | | |
| 3 position (without mounting adapter). | | | | | |
| 8 LM2T \$330 | • | 10 | 0.080 | | |
| 8 LM2T \$330GO | \bigvee | 1 | 0.080 | | |
| 8 LM2T \$331 | • • • | 10 | 0.080 | | |
| 8 LM2T \$331GO | | 1 | 0.080 | | |
| 8 LM2T \$332@ | • | 10 | 0.080 | | |
| 8 LM2T \$332GO@ | \vee | 1 | 0.080 | | |
| 8 LM2T \$333@ | | 10 | 0.080 | | |
| 8 LM2T \$333GOO | | 1 | 0.080 | | |
| 8 LM2T \$350 | C. | 10 | 0.080 | | |
| 8 LM2T \$350GO | | 1 | 0.080 | | |
| 8 LM2T \$360 | . • . | 10 | 0.080 | | |
| 8 LM2T \$360GO | | 1 | 0.080 | | |
| 8 LM2T \$370@ | (†) | 10 | 0.080 | | |
| 8 LM2T \$370G@@ | | 1 | 0.080 | | |
| 8 LM2T \$380@ | <u> </u> | 10 | 0.080 | | |
| 8 LM2T \$380G@@ | | 1 | 0.080 | | |
| 8 LM2T \$390@ | • | 10 | 0.080 | | |
| 8 LM2T \$390G@@ | N.C. | 1 | 0.080 | | |

10

10

0.050

0.050

Versions with different key codes. Complete with the numeric code of the key. The following versions are available: 501, 502, 503, 504, 505, 506, 507, 508, 509, 510. Example of complete code: 8 LM2T S320G505.

e Available only on specific request.

Operational characteristics

- Ambient conditions: Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
- Per IEC/EN: IP65
 - Per UL: type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mechanical endurance

Mechanical life: 300,000 cycles.

Mounting adapter

See page 4-35. Type: LM2T AU120. Actuators latch onto the mounting adapter by simple rotation. The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Auxiliary contacts

See page 4-35. Type:

LM2T C10 (1NO) LM2T CF10 (1NO Faston) LM2T C10A (EM) LM2T C01 (1NC) LM2T CF01 (1NC Faston) LM2T C01D (LB)

Auxiliary contacts snap onto the mounting adapter. Up to 4 auxiliary contacts can be fitted on the mounting adapter: 2 on the left and 2 on the right. For more, contact our Customer Service 1800 252 995 or sales@mechtric.com.au for advice.



Positions

Stay put position. \backslash /

- Spring return position.
- Key extraction position.

Angles 2 position



Special versions

Versions with coloured keys are available upon request. Contact our Customer Service 1800 252 995 or sales@mechtric.com.au

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14.





Pushbuttons and selector switches

.

.....

8 LM Ø22mm metal series

Illuminated button actuators, spring return





8 LM2T BL20...

Illuminated button actuators push-push



8 LM2T QL10...



8 LM2T QL20...

| Order code | Colour | Qty per pkg | Wt |
|---|--|----------------|-------|
| | | n° | [kg] |
| Flush (with side vis (without mounting | sibility). Spring return. adapter). | | |
| 8 LM2T BL103 | Green | 10 | 0.033 |
| 8 LM2T BL104 | Red | 10 | 0.033 |
| 8 LM2T BL105 | Yellow | 10 | 0.033 |
| 8 LM2T BL106 | Blue | 10 | 0.033 |
| 8 LM2T BL107 | Transparent | 10 | 0.033 |
| Extended (without | mounting adapter). Sprir | ng return. | |
| 8 LM2T BL203 | Green | 10 | 0.035 |
| 8 LM2T BL204 | Red | 10 | 0.035 |
| 8 LM2T BL205 | Yellow | 10 | 0.035 |
| 8 LM2T BL206 | Blue | 10 | 0.035 |
| 8 LM2T BL207 | Transparent | 10 | 0.035 |

. .

- ·

| Order code | Colour | Qty per pkg | Wt |
|-------------------|-------------------------|----------------|-------|
| | | n° | [kg] |
| Flush (without mo | unting adapter). Push o | n-push off. | |
| 8 LM2T QL1030 | Green | 10 | 0.033 |
| 8 LM2T QL1040 | Red | 10 | 0.033 |
| 8 LM2T QL1050 | Yellow | 10 | 0.033 |
| 8 LM2T QL1060 | Blue | 10 | 0.033 |
| 8 LM2T QL1070 | Transparent | 10 | 0.033 |
| Extended (without | mounting adapter). Pus | sh on-push | off. |
| 8 LM2T QL2030 | Green | 10 | 0.035 |
| 8 LM2T QL2040 | Red | 10 | 0.035 |
| 8 LM2T QL2050 | Yellow | 10 | 0.035 |
| 8 LM2T QL2060 | Blue | 10 | 0.035 |
| 8 LM2T QL2070 | Transparent | 10 | 0.035 |

Use only the early-make type, LM2T C10A

No normally open contact element, LM2T C10, must be used with this type of button actuators. A maximum of 2 contact elements can be mounted only.

Illuminated mushroom head button actuators





| Order code | Colour | Qty per pkg | Wt |
|--|------------------------|----------------|---------|
| | | n° | [kg] |
| Spring return. Ø 4 | Omm (without mounting | adapter). @ |) |
| 8 LM2T BL6143 | Green | 10 | 0.043 |
| 8 LM2T BL6144 | Red | 10 | 0.043 |
| 8 LM2T BL6145 | Yellow | 10 | 0.043 |
| 8 LM2T BL6146 | Blue | 10 | 0.043 |
| 8 LM2T BL6148 | White | 10 | 0.043 |
| Latch, pull to relea | se. Ø 40mm (without mo | ounting ada | pter).🛛 |
| 8 LM2T BL6243 | Green | 10 | 0.105 |
| 8 LM2T BL6244 | Red | 10 | 0.105 |
| 8 LM2T BL6245 | Yellow | 10 | 0.105 |
| 8 LM2T BL6246 | Blue | 10 | 0.105 |
| 8 LM2T BL6248 | White | 10 | 0.105 |
| Output Provide the state of | | | |

Ine number of auxiliary contacts to be mounted is given in the s notes.

6 A maximum of 2 auxiliary contacts can be mounted only.

Operational characteristics

- Ambient conditions: • Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
 - Per IEC/EN: IP65
 Per UL: type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mechanical endurance

Operating force: 0.8kg (actuator).

Mechanical life:

- Push-push actuators: 500,000 cycles
- Mushroom head latch buttons: 300,000 cycles
- All others: 1,000,000 cycles.

Mounting adapter

See page 4-35.

Type: LM2T AU120.

Actuators latch onto the mounting adapter by simple rotation.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Auxiliary contacts for illuminated push-push actuators: See page 4-35 to 4-37.

Type: LM2T C10A (EM)

LM2T C01 (1NC)

Auxiliary contacts snap onto the mounting adapter. Up to 2 auxiliary contacts can be fitted on the mounting adapter in a row, 1 each on the right and left, along with the lamp-holder in the centre position, of which LM2T DL400, LM2T EL400, LM2T VL230, LM2T ZL230, LM2T L... or LM2T M... (see page 117). With lamp-holder LM2T XL..., LM2T YL..., LM2T FL... or

LM2T GL..., one auxiliary contact can be mounted only.

Auxiliary contacts for illuminated button or mushroom-head actuators:

See page 4-35.

Type:

- LM2T C10 (1NO) LM2T CF10 (1NO Faston)
- LM2T C10A (EM)
- LM2T C01 (1NC)
- LM2T CF01 (1NC Faston)

LM2T C01D (LB) Auxiliary contacts snap onto the mounting adapter. On LM2T BL1, LM2T BL2 or LM2T BL61 actuators, the following can be fitted on the mounting adapter:

- Up to 4 contacts, 2 each on the left and right, when one of the following lamp-holders is used: LM2T DL400, LM2T EL400, LM2T VL230, LM2T ZL230,
- LM2T L or LM2T M (see page 4-35 to 4-37).
 Up to 2 contacts, one on top of the other of the same type only, when one of the following lamp-holders is used LM2T XL, LM2T YL, LM2T FL or LM2T GL (see page 4-36 to 4-37).

On LM2T BL62... actuator, the following can be fitted on the mounting adapter:

- Up to 2 contacts, 1 each on the right and left, when one of the following lamp-holders is used LM2T DL400, LM2T EL400, LM2T VL230, LM2T ZL230, LM2T L or LM2T M (see page 4-35 to 4-37)
- Up to 2 contacts, one on top of the other of the same type only, when one of the following lamp-holders is used: LM2T XL, LM2T YL, LM2T FL or LM2T GL (see page 4-35 to 4-37).

Lamp-holder elements See page 4-35 to 4-37. Bulbs

Maximum recommended power: 1.2W. See page 4-38.

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14.



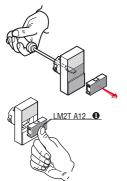


Pushbuttons and selector switches 8 LM Ø22mm metal series

Double touch actuators, spring return, white indicator



8 LM2T BL711... 8 LM2T BL721...



The actuator is standard supplied with a white diffuser Coloured diffusers I M2T A12 can be purchased separately. Refer to page 4-38.

Illuminated selector actuators



8 LM2T SL1...

| Order code | Colour | Symbol | Qty per pkg | Wt | | |
|---------------|---|--------|----------------|-------|--|--|
| | | | n° | [kg] | | |
| | Two flush push-buttons (without mounting adapter). Both spring return. | | | | | |
| 8 LM2T BL7112 | Black/Red | none | 5 | 0.044 | | |
| 8 LM2T BL7113 | Green/Red | none | 5 | 0.044 | | |
| 8 LM2T BL7114 | White/Black | none | 5 | 0.044 | | |
| 8 LM2T BL7122 | Black/Red | I-O | 5 | 0.044 | | |
| 8 LM2T BL7123 | Green/Red | I-O | 5 | 0.044 | | |
| 8 LM2T BL7124 | White/Black | I-0 | 5 | 0.044 | | |

8 LM2T BL7133 Green/Red Start/Stop 5 0.044 One extended and one flush push-buttons (without mounting adapter).

| Both | spring | retur | n. |
|------|--------|-------|----|
| | | | |

| 8 LM2T BL7212 | Black/Red | none | 5 | 0.044 |
|---------------|-------------|------------|---|-------|
| 8 LM2T BL7213 | Green/Red | none | 5 | 0.044 |
| 8 LM2T BL7214 | White/Black | none | 5 | 0.044 |
| 8 LM2T BL7222 | Black/Red | I-O | 5 | 0.044 |
| 8 LM2T BL7223 | Green/Red | I-O | 5 | 0.044 |
| 8 LM2T BL7224 | White/Black | I-O | 5 | 0.044 |
| 8 LM2T BL7233 | Green/Red | Start/Stop | 5 | 0.044 |

| Order code | Colour | Type of positions | Qty per pkg | Wt |
|---------------------|-----------------|----------------------|----------------|-------|
| | | | n° | [kg] |
| 2 position (without | ut mounting ada | apter). | | |
| 8 LM2T SL1203 | Green | | 10 | 0.025 |
| 8 LM2T SL1204 | Red | \sim | 10 | 0.025 |
| 8 LM2T SL1205 | Yellow | | 10 | 0.025 |
| 8 LM2T SL1206 | Blue | | 10 | 0.025 |
| 8 LM2T SL1208 | White | | 10 | 0.025 |
| 8 LM2T SL1213 | Green | | 10 | 0.025 |
| 8 LM2T SL1214 | Red | \sim | 10 | 0.025 |
| 8 LM2T SL1215 | Yellow | | 10 | 0.025 |
| 8 LM2T SL1216 | Blue | | 10 | 0.025 |
| 8 LM2T SL1218 | White | | 10 | 0.025 |
| 3 position (witho | ut mounting ada | apter). | | |
| 8 LM2T SL1303 | Green | | 10 | 0.025 |
| 8 LM2T SL1304 | Red | $ $ \vee $ $ | 10 | 0.025 |
| 8 LM2T SL1305 | Yellow | | 10 | 0.025 |
| 8 LM2T SL1306 | Blue | | 10 | 0.025 |
| 8 LM2T SL1308 | White | | 10 | 0.025 |
| 8 LM2T SL1313 | Green | | 10 | 0.025 |
| 8 LM2T SL1314 | Red | | 10 | 0.025 |
| 8 LM2T SL1315 | Yellow | | 10 | 0.025 |
| 8 LM2T SL1316 | Blue | | 10 | 0.025 |
| 8 LM2T SL1318 | White | | 10 | 0.025 |
| 8 LM2T SL1323 | Green | | 10 | 0.025 |
| 8 LM2T SL1324 | Red | | 10 | 0.025 |
| 8 LM2T SL1325 | Yellow | | 10 | 0.025 |
| 8 LM2T SL1326 | Blue | | 10 | 0.025 |
| 8 LM2T SL1328 | White | | 10 | 0.025 |
| 8 LM2T SL1333 | Green | | 10 | 0.025 |
| 8 LM2T SL1334 | Red | | 10 | 0.025 |
| 8 LM2T SL1335 | Yellow | | 10 | 0.025 |
| 8 LM2T SL1336 | Blue | | 10 | 0.025 |
| 8 LM2T SL1338 | White | | 10 | 0.025 |

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Operational characteristics

- Ambient conditions:
 - Operating temperature: -25...+60°C • Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
 - Per IEC/EN: IP65 for selectors;
 - IP40 for double-touch actuators.
 - Per UL: type 1, 2, 3R, 4, 4X, 12, 12K except for 8 LM2T BL71... and 8 LM2T BL72... which are type 1.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mechanical endurance

Operating force: 0.8kg (double touch actuator). Mechanical life: 300,000 cycles for selectors; 1,000,000 cycles for double-touch actuators.

Mounting adapter

See page 4-35.

Type: LM2T AU120.

Actuators latch onto the mounting adapter by simple rotation.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Auxiliary contacts

See page

Type:

| 4-00. | |
|-------|------------------------|
| | LM2T C10 (1NO) |
| | LM2T CF10 (1NO Faston) |
| | LM2T C10A (EM) |
| | LM2T C01 (1NC) |
| | LM2T CF01 (1NC Faston) |
| | LM2T C01D (LB) |

Auxiliary contacts snap onto the mounting adapter.

DOUBLE-TOUCH ACTUATORS Up to 4 auxiliary contacts can be fitted on the mounting

adapter: 2 on the left and 2 on the right.

SELECTOR ACTUATORS

On 2-position illuminated selectors, the following can be fitted on the mounting adapter:

- Up to 4 auxiliary contacts when the following types of lamp-holders are used: LM2T DL400, LM2T VL230, LM2T EL400, LM2T ZL230, LM2T L... or LM2T M... (See page 4-35 to 4-37).
- Up to 2 auxiliary contacts when the following types of lamp-holders are used: LM2T XL..., LM2T YL...,

LM2T FL... or LM2T GL... (See page 4-35 to 4-37). On 3-position illuminated selectors, the following can be fitted on the mounting adapter:

- Up to 4 auxiliary contacts when the following types of lamp-holders are used: LM2T DL400, LM2T VL230, LM2T EL400, LM2T ZL230, LM2T L... or LM2T M...
 - (See page 4-35 to 4-37).

NOTE: The following lamp-holders cannot be mounted: LM2T XL..., LM2T YL..., LM2T FL... or LM2T GL...

Selector positions

Stay put position.

Spring return position.

Selector angles 2 position

≻



Lamp-holder elements for selector actuators See page 4-35 to 4-37.

Lamp-holder elements for double-touch actuators Use lamp-holder type LM2T DL400, LM2T EL400, LM2T VL230, LM2T ZL230, LM2T L... or LM2T M... See page 4-35 to 4-37.

Bulbs

Maximum recommended power: 1.2W. See page 4-36.

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14.





Pilot lights and potentiometer drives

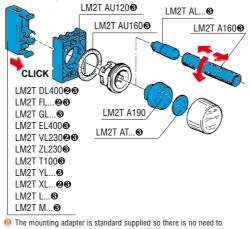
8 LM Ø22mm metal series

Pilot light head



| Order code | Colour | Qty per pkg | Wt |
|------------------|-----------------|----------------|-------|
| | | n° | [kg] |
| Without mounting | g adapter. | | |
| 8 LM2T IL103 | Green | 10 | 0.024 |
| 8 LM2T IL104 | Red | 10 | 0.024 |
| 8 LM2T IL105 | Yellow | 10 | 0.024 |
| 8 LM2T IL106 | Blue | 10 | 0.024 |
| 8 LM2T IL107 | Transparent | 10 | 0.024 |
| 8 LM2T IL1187 | Transparent 🦸 🛛 | 10 | 0.024 |

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



purchase it as a separate accessory.

8 Can be purchased separately. Refer to pages 4-38 and 4-39

Potentiometer drive



8 LM2T P100 (complete with mounting adapter)



8 LM2T P110 (complete with mounting adapter)

| Order code | Characteristics | Qty per pkg | Wt |
|--------------|----------------------|----------------|-------|
| | | n° | [kg] |
| 8 LM2T P100@ | With graduated scale | 10 | 0.070 |
| 8 LM2T P110@ | With variable index | 10 | 0.070 |

2 Potentiometer not included, for assembly by the user.

Operational characteristics

- Ambient conditions: Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C Any mounting position is allowed
- Degree of protection:
- Per IEC/EN: IP65
 - Per UL: type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mounting adapter

See page 4-35

Type: LM2T AU120. Actuators latch onto the mounting adapter by simple rotation.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Lamp-holder elements

See page 4-36 and 4-37.

Bulbs

Maximum recommended power: 1.2W. See page 4-38.

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 n° 14.

Operational characteristics

Suitable for potentiometers with 6-6.3mm diameter shaft

- Minimum 40mm shaft length Ambient conditions:
- Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection: IP65 (warranted by potentiometers with a cylindrical shaft).

Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

Mechanical endurance

Mechanical life: 300,000 cycles.

Mounting adapter

Standard supply with actuator. Actuators latch onto the mounting adapter by simple rotation. The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm).

Certifications and compliance

Certifications obtained: GOST and CCC Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1.



Jovsticks

8 LM Ø22mm metal series

Joysticks



8 LM2T J... without mechanical interlock



8 LM2T J... with mechanical interlock

Accessories



| Oldel code | positions | contacts | per pkg | VVL |
|-------------------------------------|-----------|---------------|------------|-------|
| | | NO | n° | [kg] |
| Without mechani Complete with au | | oel holder ex | cluded | |
| 8 LM2T J200 | • | 2 | 1 | 0.082 |
| 8 LM2T J201 | • | 2 | 1 | 0.082 |
| 8 LM2T J400 | | 4 | 1 | 0.104 |
| 8 LM2T J401 | | 4 | 1 | 0.104 |

Order code Type of N° auxiliary Oty Wt

With mechanical interlock in centre position. Label holder excluded. Complete with auxiliary contacts.

| 8 LM2T J210 | • | 2 | 1 | 0.082 |
|-------------|---|---|---|-------|
| 8 LM2T J211 | • | 2 | 1 | 0.082 |
| 8 LM2T J410 | | 4 | 1 | 0.104 |
| 8 LM2T J411 | - | 4 | 1 | 0.104 |

| Order code | er code Description | | Wt |
|--------------|--|----|-------|
| | | n° | [kg] |
| 8 LM2T AU101 | 2-4 directional holder for adhesive legends | 10 | 0.004 |

Mechtric

Operational characteristics

- Ambient conditions:
- Operating temperature: -25...+60°C • Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
- · IP20 for contact elements
- On front: • Per IEC/EN: IP65
- Per UL: type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

An aluminium and zinc alloy (zama) is used for the metal parts whereas plastic parts are made of polyamide and polycarbonate.

The sealing boot is made of NBR rubber.

Mechanical endurance

Mechanical life: 1,000,000 cycles

General characteristics of auxiliary contacts

Self-cleaning with dual effect, scraping and oscillating Rated insulation voltage: 690V Rated thermal current Ith: 10A.

| Designation acording to IEC 60947-5-1 - A300 0 | 1300. |
|--|-------|
| Operational power in AC15: | |

| [V] | 12 | 24 | 48 | 120 | 240 | | | |
|---|------|------|------|------|------|--|--|--|
| [A] | 6 | 6 | 6 | 6 | 3 | | | |
| Operational power in DC13: | | | | | | | | |
| [V] | 12 | 24 | 48 | 125 | 250 | | | |
| [A] | 0.55 | 0.55 | 0.55 | 0.55 | 0.27 | | | |
| Short circuit protection fuse: max calibre 10A gG | | | | | | | | |

Contact resistance: ≤20mΩ Terminals: Clamp screw with washer Maximum tightening torque: 1Nm

Mounting adapter and auxiliary contacts

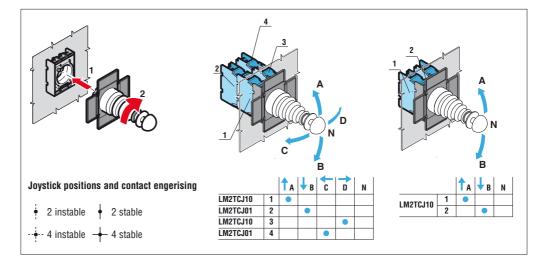
The joystick is standard supplied with the mounting adapter and auxiliary contacts. The joystick latches onto the mounting adapter by

simple rotation.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm). Auxiliary contacts snap onto the mounting adapter. Two LM2T CJ... contacts are mounted with the LM2T J2... types while four on the LM2T J4... versions.

Certifications and compliance Certifications obtained: GOST, CCC; cULus for auxiliary contacts.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508 and CSA C22.2 n° 14 for contacts only.







Contact and light elements

8 LM Ø22mm metal series

Mounting adapter



8 LM2T AU120

Contact elements





8 LM2T C...



8 LM2T E...



8 LM2T CF01



| Order code | Description | Qty per pkg | Wt |
|-----------------------|------------------|-------------------|-------|
| | | n° | [kg] |
| Only for metal series | actuators. | | |
| 8 LM2T AU120 | Mounting adapter | 10 | 0.019 |

Metal series actuators are supplied without mounting adapter. Plastic series actuators are supplied complete with mounting adapter (type LP2T AU120).

| Order code | Function | Qty per pkg | Wt | | | | | |
|---|-----------------------|-------------------|-------|--|--|--|--|--|
| | | n° | [kg] | | | | | |
| Screw termination. Without mounting adapter. | | | | | | | | |
| 8 LM2T C100 | .3 .4 NO O | 10 | 0.011 | | | | | |
| 8 LM2T C10A | EM 2 | 10 | 0.011 | | | | | |
| 8 LM2T C01⊖ | L.1 / NC❸ | 10 | 0.011 | | | | | |
| 8 LM2T C01D | L.5 / LB OO | 10 | 0.011 | | | | | |
| Screw termination. With mounting adapter for actuators metal series LM2T only. | | | | | | | | |

29

| 8 LM2T E100 | . .3 | | 10 | 0.029 |
|-------------|--------------|-----|----|-------|
| | .4 | NO | | |
| 8 LM2T E01⊖ | ب 1 | | 10 | 0.029 |
| | .2 | NC® | | |
| E 1 1 1 1 | | | | |

Faston termination. Without mounting adapter

| without mounting adapter. | | | | | | |
|---------------------------|-----|------|----|-------|--|--|
| 8 LM2T CF100 | .3 | 100 | 10 | 0.012 | | |
| | .4 | NO | | | | |
| 8 LM2T CF01 | ۱.1 | _ | 10 | 0.012 | | |
| | .2 | NC 🕄 | | | | |

1 Not suitable for push-push actuators. Use LM2T C10A (EM) or LM2T

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.

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Operational characteristics

- Ambient conditions: Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C
- Any mounting position is allowed
- Degree of protection:
- IP20 for contacts elements with screw termination
- IP00 for contact elements with Faston termination.

General characteristics of the auxiliary contacts

Self-cleaning with dual effect, scraping and oscillating Rated insulation voltage: 690V

Rated thermal current Ith: 10A

Designation according to IEC 60947-5-1: A600 Q600 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 |
| Operational power in DC13: | | | | | | | | | |
| [V] | 12 | 24 | 4 | 8 | 125 | 250 | 440 | 500 | 600 |
| [A] | 3 | 3 | 1. | 5 (|).55 | 0.27 | 0.15 | 0.13 | 0.1 |
| Short-circuit protection fuse: max. calibre 10A gG | | | | | | | | | |

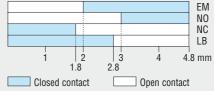
Contact resistance: $\leq 20m\Omega$

Terminals: Clamp screw with washer

Faston 1-6.35mm or 2-2.8mm

Maximum tightening torque: 1Nm (Faston excluded).

Stroke of auxiliary contacts



Maximum conductor section for screw termination 1 or 2 2.5 mm² or AWG12 cables

Mechanical and electrical endurance

| Operating force: 0. | 5 kg (au | xiliary cont | acts). | |
|---------------------|----------|--------------|-----------|--------|
| Electrical life: | LM2T | | 1,000,000 | cycles |
| | LM2T | CF10 | 1,000,000 | |
| | LM2T | C01 | 1,000,000 | cycles |
| | LM2T | CF01 | 1,000,000 | cycles |
| | LM2T | C10A | 600,000 | cycles |
| | LMET | C01D | 600,000 | |
| | | -50 | <u> </u> | |
| | | | | |

6 When using Faston, vertical interaxes is 90mm minimum.

Certifications and compliance

Certifications obtained: cULus, RINA, LROS, GOST, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1; UL508; CSA C22.2 nº 14.



Contact and light elements 8 LM Ø22mm metal series

Lamp-holders elements without mounting adapter



8 LM2T EL400 8 LM2T ZL230



8 LM2T YL... 8 LM2T GL...

Lamp-holders elements with mounting adapter



8 LM2T DL400

Test element for lamp-holders without mounting adapter



8 LM2T T100

| Order code | Rated supply voltage | Type of bulb supplied | Qty per pkg | Wt |
|---------------------|----------------------------|-----------------------------|-------------------|-------|
| | [V] 50/60Hz | | n° | [kg] |
| Direct supply. | | | | |
| 8 LM2T EL4000 | ≤415VAC/DC | No | 10 | 0.011 |
| With resistor and d | iode. | | | |
| 8 LM2T ZL230@ | 230VAC | Yes 130V (2W) | 10 | 0.015 |
| With transformer® | | | | |
| 8 LM2T YL110@ | 110120VAC | Yes 24V (1.2W) | 1 | 0.086 |
| 8 LM2T YL230@ | 220240VAC | Yes 24V (1.2W) | 1 | 0.084 |
| 8 LM2T YL400@ | 380415VAC | Yes 24V (1.2W) | 1 | 0.087 |
| Flashing S. | | | | |
| 8 LM2T GL048@® | 2448VAC | No | 1 | 0.027 |
| 8 LM2T GL230@@ | 110230VAC | No | 1 | 0.027 |

| Order code | Rated supply voltage | Type of bulb supplied | Qty per pkg. | Wt |
|----------------|----------------------------|-----------------------------|--------------------|-------|
| | [V] 50/60Hz | | n° | [kg] |
| Direct supply. | | | | |
| 8 LM2T DL4000 | ≤415VAC/DC | No | 10 | 0.029 |

| | Order code | Description | Qty per pkg. | Wt |
|---|--------------------------------|------------------|--------------------|-------|
| - | | | n° | [kg] |
| | Test element for lamp-holders. | | | |
| | 8 LM2T T100 | Test element 660 | 10 | 0.011 |

- Filament bulb, BA9s U≤130VAC/DC max 2.6W (not supplied); maximum dimensions 11x28 mm.
- For higher voltages, use neon bulbs. Not suitable for 3-position selectors.
- 6 Filament bulb, BA9s (not supplied); maximum dimensions 11x28mm/0.4x1.1".
- Use bulbs with rated voltage equal to that of the power supply Suitable for AC duty only.
- Guidale of value of the second of the second
- Multicle balas much not be inteed.
 In case of test circuits for lamp-holders having load in parallel, two LM2T T100 elements are required for each bulb. Refer to the wiring diagram attached to the product or contact our Customer Service 1800 252 995 or sales@mechtric.com.au
- In case of neon bulbs, contact our Customer Service 1800 252 995 or sales@mechtric.com.au
- Only use with lamp-holder elements
- With direct supply With resistor and diode
- 8 Not suitable for use with test element.



Operational characteristics

- Operating supply voltage limits for all types: -15...+10% Ue
- Any mounting position allowed
- The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm) also internally on LPZ control stations covers
- Lamp-holder elements snap onto the adapter
- Only lamp-holder elements LM2T DL400, LM2T EL400, LM2T T100 and LM2T ZL230 can be used with LPZ control stations
- Maximum tightening torque: 1Nm
- Ambient conditions:
- Operating temperature: -25...+60°C
- Storage temperature: -40...+70°C - Degree of protection: IP20.

Mounting adapter

See page 4-35 Type : LM2T AU120 for LM2T EL400, LM2T ZL230, LM2T YL..., LM2T GL... and/or LM2T T100.

Maximum conductor cross section

1 or 2 2.5mm² or AWG 12 cables.



With resistor and diode LM2T ZL230 -141-- x2 Flashing LM2T GL ¢۵

Test element LM2T T100

Certifications and compliance

Certifications obtained: cULus, EAC, RINA, LROS, CCC. Compliant with standards: IEC/EN 60947-1 IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.





Contact and light elements

8 LM Ø22mm metal series

LED elements steady light



| | | colour | per pkg. | | |
|-------------|--|--------|-------------|-------|--|
| | [V] | | n° | [kg] | |
| | Screw termination. Supplied without mounting adapter. | | | | |
| 8 LM2T LB30 | 1230VAC/DC | Green | 10 | 0.016 | |
| 8 LM2T LB40 | | Red | 10 | 0.016 | |
| 8 LM2T LB50 | | Yellow | 10 | 0.016 | |
| 8 LM2T LB60 | | Blue | 10 | 0.016 | |
| 8 LM2T LB80 | | White | 10 | 0.016 | |
| 8 LM2T LE3 | 85140VAC | Green | 10 | 0.016 | |
| 8 LM2T LE4 | | Red | 10 | 0.016 | |
| 8 LM2T LE5 | | Yellow | 10 | 0.016 | |

Order code Supply voltage LED Qty Wt

| 8 LIVIZI LES | | Yellow | 10 | 0.016 |
|--------------|-----------|--------|----|-------|
| 8 LM2T LE6 | | Blue | 10 | 0.016 |
| 8 LM2T LE8 | | White | 10 | 0.016 |
| 8 LM2T LM3 | 185265VAC | Green | 10 | 0.016 |
| 8 LM2T LM4 | | Red | 10 | 0.016 |
| 8 LM2T LM5 | | Yellow | 10 | 0.016 |
| 8 LM2T LM6 | | Blue | 10 | 0.016 |
| 8 LM2T LM8 | | White | 10 | 0.016 |
| | | | | |

Only LM2T LB... type is suitable for use with LM2T T100 test element.

LED elements flashing light



| Order code | Supply voltage | LED colour | Qty per pkg. | Wt |
|----------------------------------|------------------------------|---------------|--------------------|-------|
| | [V] | | n° | [kg] |
| Screw terminat Supplied witho | ion. ut mounting adapter. | | | |
| 8 LM2T MB3@ | 1830VAC/DC | Green | 10 | 0.016 |
| 8 LM2T MB4@ | | Red | 10 | 0.016 |
| 8 LM2T MB5@ | | Yellow | 10 | 0.016 |
| 8 LM2T MB6@ | | Blue | 10 | 0.016 |
| 8 LM2T MB8@ | | White | 10 | 0.016 |
| 8 LM2T ME3 | 85140VAC | Green | 10 | 0.016 |
| 8 LM2T ME4 | | Red | 10 | 0.016 |
| 8 LM2T ME5 | | Yellow | 10 | 0.016 |
| 8 LM2T ME6 | | Blue | 10 | 0.016 |
| 8 LM2T ME8 | | White | 10 | 0.016 |
| 8 LM2T MM3 | 185265VAC | Green | 10 | 0.016 |
| 8 LM2T MM4 | | Red | 10 | 0.016 |
| 8 LM2T MM5 | | Yellow | 10 | 0.016 |
| 8 LM2T MM6 | | Blue | 10 | 0.016 |
| 8 LM2T MM8 | | White | 10 | 0.016 |

Only LM2T MB... type is suitable for use with LM2T T100 test element.

Operational characteristics

- rated frequency: 50-60Hz
- Supply voltage:
- Steady light: 12...30VAC/DC; 85...140VAC; 185...265VAC • Flashing light: 18...30VAC/DC; 85...140VAC,
- 185...265VAC
- maximum consumption:
 - Steady and flashing light: 17mA-0,50W (12...30VAC/DC); 20mA-0,40W (85...140VAC); 18mA-0,55W (185...265VAC)
- Protection:
- · Against overvoltages
- · Against stray currents in wiring
- To reduce flickering phenomenon
- . To withstand vibrations
- minimum activation voltage: • Steady light: 4V-1mA (12...30VAC/DC); 30V-4mA (85...140VAC); 55V-4mA (185...265VAC)
 - Flashing light: 5V-1,5mA (18...30VAC/DC); 13V-1,5mA (85...140VAC); 25V-1,5mA (185...265VAC)
- Electrical life: 100,000 hours
- Snap onto 8 LM2T 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
- Ambient conditions:
- Operating temperature: -25...+60°C
 Storage temperature: -40...+85°C
 Degree of protection: IP20.

Mounting adapter

See page 4-35. Type: LM2T AU120. The adapter is fixed on the mounting surface by means of incorporated screws (Tmax=0,8Nm).

Maximum conductor cross section

1 or 2 2.5mm² or AWG12 cables.

Wiring diagram



Certifications and compliance

Certifications obtained: cULus, EAC, CCC. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 nº 14.



Accessories and spare parts 8 LM Ø22mm metal series



Accessories and spare parts



8 LM2T L...





8 LM2T M..



| Order code | Description | Qty per pkg | Wt |
|----------------|---|----------------|-------|
| | | n° | [kg |
| 8 LM2T A120 | Coloured diffuser for double touch buttons | 10 | 0.00 |
| 8 LM2T A130 | Threaded plug for unused drilled holes (black) | 10 | 0.00 |
| 8 LM2T A140 | Action plug for centre contact | 50 | 0.00 |
| 8 LM2T A150 | Rod for mechanical reset button (I=140mm/5.5") | 10 | 0.00 |
| 8 LM2T A160 | BA9s bulb extractor | 10 | 0.004 |
| 8 LM2T A161 | Hole size adapter set for Ø30mm/1.2" to 22mm/0.87" (2 per hole) | 10 | 0.00 |
| 8 LM2T A170 | Spare key set for selector or mushroom head button | 1 | 0.008 |
| 8 LM2T A170G@ | Spare key set for G series selector or mushroom-head button | 1 | 0.00 |
| 8 LM2T A185 | Selector protection shroud for short lever | 10 | 0.004 |
| 8 LM2T A190 | Diffuser for pilot light | 10 | 0.00 |
| 8 LM2T ALA024 | Filament bulb BA9s 24VAC/DC - 1,2W | 100 | 0.002 |
| 8 LM2T ALB024 | Filament bulb BA9s 24VAC/DC - 2W | 100 | 0.00 |
| 8 LM2T ALB048 | Filament bulb BA9s 48VAC/DC - 2W | 100 | 0.00 |
| 8 LM2T ALB130 | Filament bulb BA9s 130VAC/DC - 2W | 100 | 0.00 |
| 8 LM2T ALLOO6® | LED bulb BA9s 6VAC/DC | 10 | 0.00 |
| 8 LM2T ALL024® | LED bulb BA9s 24VAC/DC | 10 | 0.00 |
| 8 LM2T ALL048® | LED bulb BA9s 48VAC/DC | 10 | 0.003 |
| 8 LM2T ALN130@ | Neon bulb 🛛 BA9s 110125VAC | 100 | 0.003 |
| 8 LM2T ALN250@ | Neon bulb BA9s 220250VAC | 100 | 0.00 |
| 8 LM2T ALP130 | Neon bulb ® BA9s 110125VAC | 100 | 0.00 |
| 8 LM2T ALP250@ | Neon bulb ® BA9s 220250VAC | 100 | 0.003 |

Add the number of the selected colour: 3 (green); 4 (red); 5 (yellow); 6 (blue); 7 (transparent); 8 (white).
 Versions with different key code. Complete with the numeric code of the key. The following versions are available: 501; 502; 503; 504; 505; 506; 507; 508; 509; 510. Example of complete code: 8 LM2T A170G505. Coloured key versions are available on request; contact our Customer Service 1800 252 995 or sales@mechtric.com.au
 Add the number of the selected colour: 3 (green); 4 (red); 5 (yellow). It is advisable to use the same colour of bulb as of the actuator to obtain

It is advisable to use the same colour of bulb as of the actuator to obtain

adequate light emission.

A Neon bulbs emit an amber light and may not be suitable for use with green or blue pilot lights and illuminated actuators.

Glass with diffuser lens.Plastic neon bulb.



Accessories and spare parts 8 LM Ø22mm metal series

Accessories and spare parts



8 LM2T AT...





8 LM2T AU100 8 LM2T AU105



8 LM2T AU108 8 LM2T AU106





8 LM2T AU159



| | Order code | Description | Qty per pkg. | Wt |
|---|---------------|--|-----------------|-------|
| | | | n° | [kg] |
| | 8 LM2T AT0 | Printed label to be inserted in pilot lights and illuminated pushbuttons | 50 | 0.001 |
| | 8 LM2T AU100@ | Legend holder | 50 | 0.001 |
| | 8 LM2T AU105@ | Legend holder (for 8 LM2T AU106 paper or 8 LM2T AU108 plastic labels) | 50 | 0.003 |
| | 8 LM2T AU106 | Blank paper label for writing (for LM2T AU105) | 50 | 0.002 |
| | 8 LM2T AU107 | Transparent protection for LM2T AU106 label | 50 | 0.001 |
| | 8 LM2T AU108 | Blank plastic label for engraving (for LM2T AU105) | 50 | 0.002 |
| | 8 LM2T AU13❸ | IP66 boot for pushbuttons LM2T B1/R1 | 10 | 0.006 |
| | 8 LM2T AU14❸ | IP66 boot for pushbuttons LM2T B2/B3//BL2/R2 | 10 | 0.009 |
| | 8 LM2T AU157 | IP66 boot for double and triple buttons (transparent) | 10 | 0.007 |
| V | 8 LM2T AU159 | Shroud for buttons 8 LM2T B62/63/65/66, 8 LM2T BL62 | 10 | 0.010 |
| V | LPX DIN | Adapter for mounting 8 LM2T buttons on DIN rail 35mm wide (2 modules) | 10 | 0.008 |
| | 8 LM2T AU167 | IP66 protective boot for mushroom head buttons LM2T B62/B63 (transparent) | 10 | 0.012 |
| | 8 LM2T AU170 | Actuator gasket | 10 | 0.006 |

1 Available only on specific request, contact our Customer Service

1800 252 995 or sales@mechtric.com.au 2 To preserve actuators degree of protection (IP65) place their gasket

between legend holder and mounting surface. So For flush and extended push-buttons, complete the order code by adding the ro instantic stanting complete pairs or only complete in order code by adding the digit of the required colour: 2 (black); 3 (green); 4 (red); 5 (yellow); 6 (blue); 7 (transparent); 8 (white). For illuminated push-buttons, add only digit 7 (transparent).





Order code

Text

Accessories and spare parts 8 LM Ø22mm metal series



Labels with text for LM2T AU100 legend holder



8 LM2T AGB230

| Urder code | lext | pkg | VVT | |
|---|--|-----|-------|--|
| | | n° | [kg] | |
| General use. | | | 1.01 | |
| 8 LM2T AU206 | Blank for writing | 50 | 0.001 | |
| 8 LM2T AU207 | Sheet with 108 labels for laser printing | 10 | 0.005 | |
| 8 LM2T AU208⊕ | Sheet with 108 | 10 | 0.005 | |
| 0 1 1407 41040 | laser-printed labels | 50 | 0.001 | |
| 8 LM2T AI210 | LATCH | 50 | 0.001 | |
| 8 LM2T AI211 | OPEN | 50 | 0.001 | |
| 8 LM2T AI212 | STOP | 50 | 0.001 | |
| 8 LM2T AI213 | GENERAL STOP | 50 | 0.001 | |
| 8 LM2T AI214 | STOP RESET | 50 | 0.001 | |
| 8 LM2T AI215 | FORWARD | 50 | 0.001 | |
| 8 LM2T AI216 | CLOSE | 50 | 0.001 | |
| 8 LM2T AI217 | RIGHT | 50 | 0.001 | |
| 8 LM2T AI218 | LOWER | 50 | 0.001 | |
| 8 LM2T AI219 | OFF | 50 | 0.001 | |
| 8 LM2T AI220 | EMERGENCY | 50 | 0.001 | |
| 8 LM2T AI221 | OFF | 50 | 0.001 | |
| 8 LM2T AI222 | REVERSE | 50 | 0.001 | |
| 8 LM2T AI223 | ON | 50 | 0.001 | |
| 8 LM2T AI237 | THERMAL TRIP | 50 | 0.001 | |
| 8 LM2T AI224 | SLOW | 50 | 0.001 | |
| 8 LM2T AI225 | RUNNING | 50 | 0.001 | |
| 8 LM2T AGB226 | RESET | 50 | 0.001 | |
| 8 LM2T AI226 | RESET | 50 | 0.001 | |
| 8 LM2T AI227 | RAISE | 50 | 0.001 | |
| 8 LM2T AI228 | LEFT | 50 | 0.001 | |
| 8 LM2T AI229 | POWER ON | 50 | 0.001 | |
| 8 LM2T AGB225 | START | 50 | 0.001 | |
| 8 LM2T AGB230 | STOP | 50 | 0.001 | |
| 8 LM2T AGB214 | STOP-RESET | 50 | 0.001 | |
| 8 LM2T AI231 | FAST | 50 | 0.001 | |
| For selector switc | | | | |
| 8 LM2T AI232 | STOP-START | 50 | 0.001 | |
| 8 LM2T AI233 | AUTO-MAN | 50 | 0.001 | |
| 8 LM2T AI234 | AUTO-O-MAN | 50 | 0.001 | |
| 8 LM2T AI242 | MAN-O-AUTO | 50 | 0.001 | |
| 8 LM2T AI235 | FWD-0-REV | 50 | 0.001 | |
| 8 LM2T AI236 | ON - OFF | 50 | 0.001 | |
| 8 LM2T AI241 | MAN-AUTO | 50 | 0.001 | |
| 8 LM2T AGB232 | STOP-START | 50 | 0.001 | |
| 8 LM2T AGB236 | OFF-ON | 50 | 0.001 | |
| International labels | for pushbuttons. | | | |
| 8 LM2T AU200 | 0 | 50 | 0.001 | |
| 8 LM2T AU201 | 1 | 50 | 0.001 | |
| 8 LM2T AU202 | 11 | 50 | 0.001 | |
| International labels for selector switches. | | | | |
| 8 LM2T AU203 | 0-1 | 50 | 0.001 | |
| 8 LM2T AU204 | 1-11 | 50 | 0.001 | |
| 8 LM2T AU205 | 1-0-11 | 50 | 0.001 | |

General characteristics

Qty per Wt

The labels have indelible scratch-proof black lettering on metalised grey polycarbonate background (adhesive).

Recommended use with LM2T AU206 blank label.
 Sheet with 108 adhesive labels.
 Complete code with label text required.

Plastic disk for mushroom head pushbuttons EMERGENCH

STOP

| Ordering code | Text | Qty per pkg | Wt |
|---------------|------------------------------|----------------|-------|
| | | n° | [kg] |
| 8 LM2T AU113 | EMERGENCY STOP Ø90mm/3.5" | 10 | 0.005 |
| 8 LM2T AU115 | EMERGENCY STOP Ø60mm/2.4" | 10 | 0.003 |

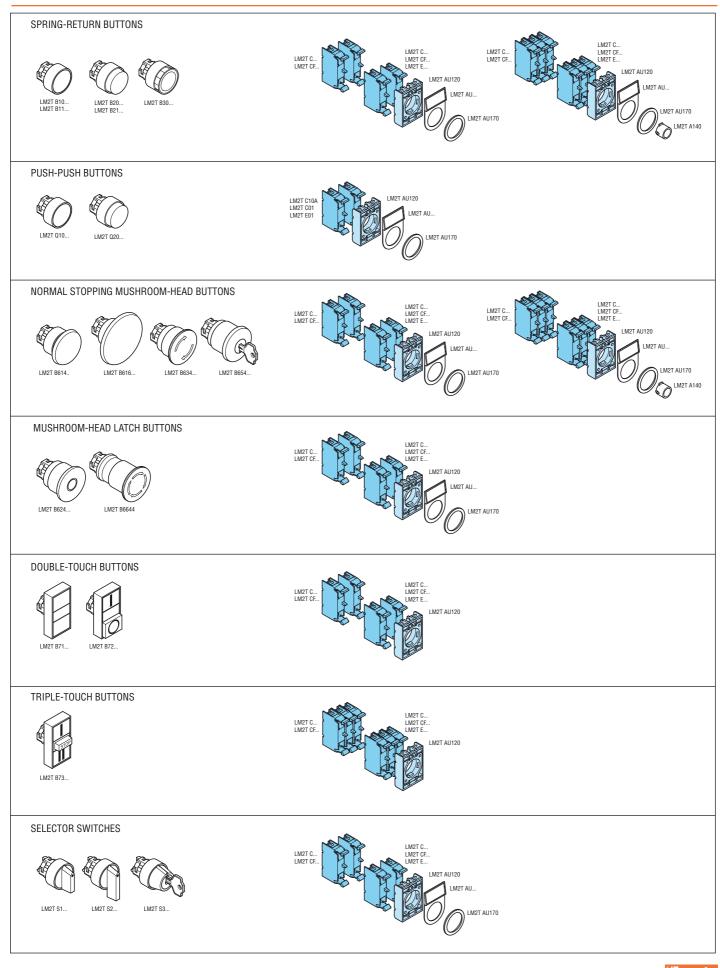
General characteristics

The disks are made of non-adhesive plastic. It is not possible use plastic disks with protection 8 LM2T AU159.





Combinations for metal series pushbuttons and selector switches 8 LM Ø22mm metal series



Panel Mount Signal Devices

ESS-22D Buzzers and Pilot Lights

Pilot Lights

ESSB22DB...

ESSB22D...

- High output LED indicators
- Dual colour (red/green) versions
 - Buzzer and buzzer LED combination
 - 22mm panel cutout





ESSB22DS...



Specifications LED pilot lights

Protection: Current: Temp Rating (°C): Cable Entry: Rating: Construction: IP65 from front less than 20mA -30 to +50 Screw terminals on Back Continuous Polycarbonate

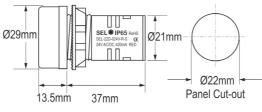
Buzzer (buzzer/LED)

Current: Sound Output: 15-25mA 80dB @ 10cm, intermittent tone

Certifications and compliance Certifications obtained: **CE and RoHS**

| Voltage | Order Code | Order Code | | | | | |
|--|-------------------|------------------------------|----------------|--------------------------------------|--|--|--|
| | Single colour LED | Dual colour red/green LED | Buzzer | Buzzer/LED | | | |
| 8-36V ac/dc | ESSB22D0636V* | | | | | | |
| 12VAC/DC | | ESSB22DSPF1RG22 | ESSB22DBDBZ012 | ESSB22DFS012* | | | |
| 24VAC/DC | | ESSB22DSPF1RG23 | ESSB22DBDBZ024 | ESSB22DFS024* | | | |
| 48VAC/DC | | ESSB22DSPF1RG25 | ESSB22DBDBZ048 | ESSB22DFS048* | | | |
| 130VAC/DC | ESSB22D130V* | ESSB22DSPF1RG27 | ESSB22DBDBZ130 | ESSB22DFS130* | | | |
| 230VAC | ESSB22D230V* | ESSB22DSPF1RG31 | ESSB22DBDBZ230 | ESSB22DFS230* | | | |
| Other voltages and special features available on request | | | | * available in red or yellow only | | | |

* specify colour: A = amber, B = blue, C = clear, G = green, R = red, Y= yellow



(50mm for buzzer and buzzer/LED)

Accessories

| Order Code | Description |
|---------------|------------------------------------|
| SOLSEL22DMT | Mounting tool for 22D pilot lights |
| SOLSEL22DLSLC | Silicon rubber lens cover for IP67 |





•

beacon

Sounder

M30 panel mounting signals

Multifunction LED beacon with 3 stage

alarm (P40S) or steady beacon (P40J)

Multi-Colour (red/amber green) LED

CONTROL AND SIGNALLING UNITS

Panel Mount Signal Devices

- **P40**



| | Sounder | | | | | | |
|----------------|----------------|---------|-------|----------------|--------------------------|--|-------------|
| | Order Code | Model | Colo | ur | Voltage | Stages/Sound Level | Weight (Kg) |
| | SIR01P91208 | P40AJ | | | 12/24VAC/DC | Continuous tone | 0.04 |
| - | SIR01P91210 | P40AJ | Grou | | 90/240VAC | 70dB @ 1m | 0.04 |
| | SIR01P91177 | P40A | Grey | | 12/24VAC/DC | Continuous/intermittent | 0.04 |
| () | SIR01P91179 | P40A |] | | 48/240VAC | Continuous tone 70dB @ 1m Continuous/intermittent tone 85dB@1m Steady light Steady light 3 stages Steady/Flashing/Strobe Steady/Flashing/Strobe Steady/Flashing/Strobe Steady/Flashing/Strobe | 0.04 |
| | Beacon | | | | | | |
| | SIR01P91221 | P40J | Blue | | | | 0.04 |
| P40AJ - P40A | SIR01P91222 | P40J | Amb | er | | | 0.04 |
| | SIR01P91223 | P40J | Red | | | | 0.04 |
| | SIR01P91224 | P40J | Gree | n | 12/24VAC/DC | Steady light | 0.04 |
| | SIR01P91225 | P40J | Yello | w | | | 0.04 |
| | SIR01P91226 | P40J | Whit | e | | | 0.04 |
| | SIR01P91241 | P40J | Blue | | | | 0.04 |
| | SIR01P91242 | P40J | Amb | er | | Continuous tone 70dB @ 1m Continuous/intermittent tone 85dB@1m Steady light Steady light 3 stages Steady/Flashing/Strobe 3 stages Steady/Flashing/Strobe Steady/Flashing/Strobe | 0.04 |
| | SIR01P91243 | P40J | Red | | | | 0.04 |
| | SIR01P91244 | P40J | Gree | n | 48/240VAC | | 0.04 |
| | SIR01P91245 | P40J | Yello | w | | | 0.04 |
| | SIR01P91246 | P40J | Whit | e | _ | | 0.04 |
| | SIR01P91131 | P40S | Blue | | | | 0.04 |
| and an a state | SIR01P91132 | P40S | Amb | | | | 0.04 |
| P40J - P40S | SIR01P91133 | P40S | Red | | | | 0.04 |
| | SIR01P91134 | | n | 12/24VAC/DC | - | 0.04 | |
| | SIR01P91135 | P40S | Yello | | | 0.04 | |
| | SIR01P91136 | P40S | Whit | | | | 0.04 |
| | SIR01P91151 | P40S | Blue | | | | 0.04 |
| | SIR01P91152 | P40S | Amber | | | | 0.04 |
| | SIR01P91153 | P40S | Red | | | | 0.04 |
| | SIR01P91154 | P40S | Gree | m | 90/240VAC | - | 0.04 |
| | SIR01P91155 | P40S | Yello | | | | 0.04 |
| | SIR01P91156 | P40S | Whit | | | | 0.04 |
| | | | wint | C | | | 0.04 |
| | Multi-Colour B | P40RGA | | | 12/24VAC/DC | | 0.04 |
| | | | | | 12/24VAC/DC 48/240VAC | Continuous tone 70dB @ 1m Continuous/intermittent tone 85dB@1m Steady light Steady light Steady light 3 stages Steady/Flashing/Strobe Steady light 3 stages Steady/Flashing/Strobe Steady/Flashing/Strobe Steady light Image: Steady/Flashing/Strobe Steady/Flashing/Strobe Steady light Steady light Steady/Flashing/Strobe Steady/Flashing/Strobe Steady/Flashing/Strobe Steady light 3 stages Flashing light/Flashing Stages Flashing light/Flashing Stages Stages | |
| | SIR01P91171 | P40RGA | | 5 - | | | 0.04 |
| P40RGA | SIR01P91168 | P40RGA | Red | Amber Green | 12/24VAC/DC | | 0.04 |
| | SIR01P91172 | P40RGA | | | 48/240VAC | | 0.04 |
| | Sounder-beac | | Dire | | | | 0.04 |
| | SIR01P91181 | P40ALED | Blue | | | | 0.04 |
| | SIR01P91182 | P40ALED | Amb | er | | | 0.04 |
| | SIR01P91183 | P40ALED | Red | | 12/24VAC/DC | light + intermittent | 0.04 |
| | SIR01P91184 | P40ALED | Gree | | | | 0.04 |
| | SIR01P91185 | P40ALED | Yello | | | continuous sounu | 0.04 |
| | SIR01P91186 | P40ALED | Whit | | | | 0.04 |
| | SIR01P91201 | P40ALED | Blue | | | | 0.04 |
| | SIR01P91202 | P40ALED | Amb | er | | | 0.04 |
| | SIR01P91203 | P40ALED | Red | | 48/240VAC | | 0.04 |
| | SIR01P91204 | P40ALED | Gree | | | sound/steady light + | 0.04 |
| P40ALED | SIR01P91205 | P40ALED | Yello | W | | continuous sound | 0.04 |

- Piezo sounder with 2 stage alarm (P40A), or single continuous tone (P40AJ)
- Combined piezo sounder with LED beacon with 3 stage alarm

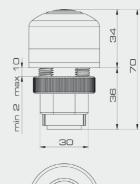
General characteristics

Self-extinguishing poly carbonate body total protected against dust, water spray and vibrations. Standard housing colour is grey, black colour housing optional. Can be panel mounted through a ø30mm hole.

Specifications Rated voltage:

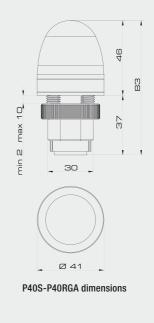
| Rated voltage: | 12/24V AC/DC, 48/240VAC |
|--------------------|------------------------------|
| | (90-240VAC for P40J version) |
| Voltage tolerance: | ± 10% |
| Rated current: | 19mA to 130mA depending |
| | on model |
| Rated frequency: | 50/60Hz |
| Sounder output: | 85dB@1m (70dB for P40AJ) |
| Sounder tone: | 3500+/-100Hz |
| | (3000Hz for P40AJ) |
| Protection: | IP66 for beacons only, |
| | IP65 for sounders |
| Rating: | Continuous |
| Operating Temp.: | -30 to +50°C |
| | |
| | |

Compliance and standards Certifications obtained: CE, UL(type 3R), GOST





P40A - P40ALED dimensions





Brisbane (07) 3274 3327

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SIR01P91206 P40ALED White

0.04

Signal Towers



- Unique elliptical design 70mm x 50mm
- Choice of multi-function LED light modules with 4 flash patterns, steady LED light modules or high output strobe effect light modules
- Choice of light modules with colour lens, with clear lens and colour LED's for high ambient light applications, or low light output versions for close proximity.
- Choice of wiring modules with or without built in flash circuit. Modules allow up to maximum of 6 light modules + 1 audible module.

WM LT basic wiring module black

WM HT basic wiring module black

WM LT MULTI wiring module 4

WM HT MULTI wiring module 4

Proximity

SIRT32411

60-90 adjustable 490-2800Hz 450mA

light effects black colour

light effects black colour

Order Code

Clear Lens

Coloured LED

SIRT32341

2 choices of audible modules

Description

colour

colour

Wide choice of mounting bases.
Housings and mounting bases in black colour (optional grey or white)

ELYPSE WM Wiring Module includes top cap

12/24V ACDC

120/240V AC

12/24V ACDC

120/240V AC

Coloured Lens

SIRT32331

AMS

8+8

ELYPSE LM Steady Light Module 110mA

Voltage

Order Code

SIRT32458

SIRT32321

SIRT32468

SIRT32327

Colour

Blue

SIRT32348

| | - | |
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ELYPSE WIRING MODULE

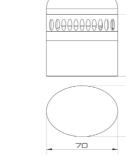


SIRT32332 SIRT32342 SIRT32412 Amber 0.04 SIRT32333 SIRT32343 SIRT32413 0.04 Red SIRT32334 SIRT32344 SIRT32414 0.04 Green Yellow **SIRT32335** SIRT32345 SIRT32415 0.04 White SIRT32336 SIRT32346 SIRT32416 0.04 Audible Module (Black Colour) **Order Code** No. Sound Output Sound Current Weight Type (dB @ 1m) Frequency Tones (Kg) SIRT32338 AM 130mA 1+1 87 3600Hz 0.08

ELYPSE AUDIBLE MODULE



Dimensions Elypse-WM



Dimensions Elypse-AM



General characteristics

WM Basic Wiring Module

With 7 electrical contacts, it allows assembly of maximum 7 modules: 6 light modules + 1 audible module (1 channel) or 5 light modules + 1 acoustic module (2 channels).

WM Multi-function Wiring Module

With the same main characteristics of the WM module, WM MULTI allows the possibility of generating a flashing sequence in any of the installed modules via the activation of a dedicated BLINK channel. With 4 light effects: single flash, double flash, triple flash and stroboscopic. The BLINK channel can be triggered independently for each module, allowing the change from steady to flashing light during the normal operations of the stacklight. The BLINK channel activation can be done directly as well as via PLC.

A top cap for closure of the stacklight when an acoustic module is not installed, is provided with each WM module.

LM Steady Light Module

Weight (Kg)

0.05

0.16

0.05

0.16

Weight

(Kg)

0.04

0.09

С ОС

ຒ

δ

Entry level LED light module available with choice of coloured lens or clear lens (with colour LED's) or proximity lens. Can be used with WM basic or WM multi-function wiring module.

LMS Steady Light Module

Higher output LED light module available with choice of coloured lens or clear lens (with colour LED's). Can be used with WM basic or WM multi-function wiring module.

LMS Multi Light Module

Multi-function high output LED light module with 4 flash effects (double flash, triple flash, strobe effect or random). Available with choice of coloured lens or clear lens (with colour LED's). Can be used with WM basic wiring module only.

LMX Multi Light Module

Super bright multi-function LED light module designed to replace xenon strobes, with 4 flash effects (double flash, triple flash, strobe effect or random). Available with coloured lens only. Can be used with WM basic wiring module only.

AM Audible Module

Audible module with 2 tones, intermittent or continuous. Either one or both tones can be selected by using one or two of the 7 available contacts in the wiring base. Can be used with WM basic or WM multi-function wiring module.

AMS Audible Module

Audible module with 16 tones, in groups of 8 with one tone each group selectable by DIP switches. Either one or both tones can be selected by using one or two of the 7 available contacts in the wiring base. Can be used with WM basic or WM multi-function wiring module.

Specifications:

| Protection: | IP65 |
|---------------------------|-----------------------------|
| Temp Rating (°C): | -30 to +50 |
| Cable Entry: | Through mounting base unit. |
| Rating: | Continuous |
| Construction: | Polycarbonate |
| For full dimensional deta | ils see www.mechtric.com.au |

Compliance and standards

Certifications obtained: CE, UL, TUV



PAGE 4-44





Colour

Blue

Amber

Red

Green

Yellow

CONTROL AND SIGNALLING UNITS Signal Towers

ELYPS













ELYPSE LIGHT MODULE



SIRT32358



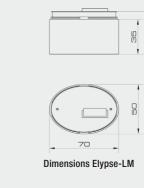
SIRT32368











4 (i)



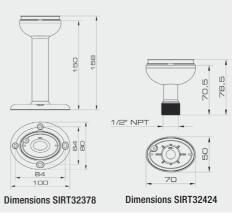
Dimensions SIRT32358



Dimensions SIRT32368



Dimensions SIRT32388





Weight (Kg)

0.04

0.04

0.04

0.04

0.04

0.04

SIRT32376 SIRT32386 White ELYPSE LM S MULTI High Brightness Flashing Light Module 100mA

ELYPSE LM S High Brightness Steady Light Module 100mA

Coloured Lens

SIRT32371

SIRT32372

SIRT32373

SIRT32374

SIRT32375

Order Code

Clear Lens Coloured LED

SIRT32381

SIRT32382

SIRT32383

SIRT32384

SIRT32385

| Colour | | Weight | |
|--------|---------------|----------------------------|------|
| | Coloured Lens | Clear Lens Coloured LED | (Kg) |
| Blue | SIRT32391 | SIRT32401 | 0.04 |
| Amber | SIRT32392 | SIRT32402 | 0.04 |
| Red | SIRT32393 | SIRT32403 | 0.04 |
| Green | SIRT32394 | SIRT32404 | 0.04 |
| Yellow | SIRT32395 | SIRT32405 | 0.04 |
| White | SIRT32396 | SIRT32406 | 0.04 |

ELYPSE LM X High Brightness Xenon Effect Light Module 100mA

| Colour | Order Code | Weight |
|--------|---------------|--------|
| | Coloured Lens | (Kg) |
| Blue | SIRT32351 | 0.04 |
| Amber | SIRT32352 | 0.04 |
| Red | SIRT32353 | 0.04 |
| Green | SIRT32354 | 0.04 |
| Yellow | SIRT32355 | 0.04 |
| White | SIRT32356 | 0.04 |

ELYPSE MB Mounting Bases

| Order Code | Description | Weight (Kg) |
|------------|---|----------------|
| SIRT32358 | Surface Mount Base black colour | 0.05 |
| SIRT32368 | Wall Mount Base black colour | 0.06 |
| SIRT32388 | Pole Mount Base ½" NPT-F black colour | 0.08 |
| SIRT32378 | Extended Mounting Base 150mm black colour | 0.07 |
| SIRT32424 | Stainless Steel Tube Mounting Base 141mm black colour | 0.10 |
| SIRT32425 | Stainless Steel Tube Mounting Base 241mm black colour | 0.14 |
| SIRT32426 | Stainless Steel Tube Mounting Base 341mm black colour | 0.18 |
| SIRT32427 | Stainless Steel Tube Mounting Base 441mm black colour | 0.22 |

Signal Towers

TWS





TWS BASE WIRING MODULE













TWS LIGHT MODULES

Choice of multi-function LED light modules with 4 flash patterns, steady LED light modules, high output multi-function light modules, filament bulb modules

and xenon modules. Choice of light modules with colour lens, with clear lens and

TWS Base Wiring Module includes top cap

| Order Code | Description | Weight (Kg) |
|------------|----------------------------------|-------------|
| SIRT27690 | Base and cap module black colour | 0.12 |

colour LED's for high ambient

• Wide choice of mounting bases.

Heavy duty IP69K stainless

enclosures available

steel or anodized aluminum

black colour (optional grey).

· Housings and mounting bases in

light applications.

TWS LED STEADY Light Module 85mA

| IWS LED SI | EADT LIGHT MODULE | AIIICO | | | | |
|------------|-------------------|------------------|-----------|------|--|--|
| | | Order Code | | | | |
| Voltage | 24V ACDC | 110V AC | 240V AC | | | |
| Colour | | Coloured Lens | | | | |
| Blue | SIRT36681 | SIRT36691 | SIRT36701 | 0.11 | | |
| Amber | SIRT36682 | SIRT36692 | SIRT36702 | 0.11 | | |
| Red | SIRT36683 | SIRT36693 | SIRT36703 | 0.11 | | |
| Green | SIRT36684 | SIRT36694 | SIRT36704 | 0.11 | | |
| Yellow | SIRT36685 | SIRT36695 | SIRT36705 | 0.11 | | |
| White | SIRT36686 | SIRT36696 | SIRT36706 | 0.11 | | |
| Colour | Cle | ear Lens Coloure | ed LED | | | |
| Blue | SIRT33151 | SIRT33161 | SIRT33171 | 0.11 | | |
| Amber | SIRT33152 | SIRT33162 | SIRT33172 | 0.11 | | |
| Red | SIRT33153 | SIRT33163 | SIRT33173 | 0.11 | | |
| Green | SIRT33154 | SIRT33164 | SIRT33174 | 0.11 | | |
| Yellow | SIRT33155 | SIRT33165 | SIRT33175 | 0.11 | | |
| White | SIRT33156 | SIRT33166 | SIRT33176 | 0.11 | | |

TWS LED MULTI Light Module 85mA

| TWS LED MUL | TI Light Module 8 | 5mA | | | | |
|--------------|-------------------|------------|-------------------------|-----------|-------------|--|
| | | Order Code | | | | |
| Voltage | 24V ACDC | 110V AC | | 240V AC | | |
| Colour | | Color | ured Len | S | | |
| Blue | SIRT36711 | SIRT | 36721 | SIRT36731 | 0.11 | |
| Amber | SIRT36712 | SIRT | 36722 | SIRT36732 | 0.11 | |
| Red | SIRT36713 | SIRT | 36723 | SIRT36733 | 0.11 | |
| Green | SIRT36714 | SIRT | 36724 | SIRT36734 | 0.11 | |
| Yellow | SIRT36715 | SIRT | 36725 | SIRT36735 | 0.11 | |
| White | SIRT36716 | SIRT | 36726 | SIRT36736 | 0.11 | |
| Colour | Cle | ar Lens | s Coloure | d LED | | |
| Blue | SIRT33211 | SIRT33221 | | SIRT33231 | 0.11 | |
| Amber | SIRT33212 | SIRT33222 | | SIRT33232 | 0.11 | |
| Red | SIRT33213 | SIRT33223 | | SIRT33233 | 0.11 | |
| Green | SIRT33214 | SIRT33224 | | SIRT33234 | 0.11 | |
| Yellow | SIRT33215 | SIRT | 33225 | SIRT33235 | 0.11 | |
| White | SIRT33216 | SIRT | 33226 | SIRT33236 | 0.11 | |
| TWS S LED MU | JLTI Super Bright | Light N | /lodule 4 | 50mA | | |
| | | Ord | ler Code | | Weight (Kg) | |
| Voltage | 24V ACDO | ; | 24V ACDC | | | |
| Colour | Coloured Le | ns | Clear Lens Coloured LED | | | |
| Blue | SIRT3342 | 1 | SIRT33441 | | 0.11 | |
| Amber | SIRT3342 | 2 | SIRT33442 | | 0.11 | |
| Red | SIRT3342 | 3 | SIRT33443 | | 0.11 | |
| Green | SIRT3342 | 4 | SIRT33444 | | 0.11 | |
| Yellow | SIRT3342 | 5 | SIRT33445 | | 0.11 | |
| White | SIRT3342 | 6 | | SIRT33446 | 0.11 | |



General characteristics

TWS Base and Cap Module

With 1 common and 5 electrical contacts, it allows assembly of maximum 5 light modules or 4 light modules + 1 audible module.

TWS LED Light Module

Integrated LED light module available in steady or multifunction with 4 light effects (steady, single flash, double flash or triple flash). Available with choice of coloured lens or clear lens (with colour LED's).

TWS S LED Light Module

Super bright LED light module 4 light effects (steady, flashing, strobe, or random). Available with choice of coloured lens or clear lens (with colour LED's. Only available in 24V ACDC.

TWS Incandescent Bulb Light Module

Economic option using Ba15d 5w bulb. Available in steady or flashing versions.

TWS X Xenon Light Module

High intensity flash with 2J xenon tube.

TWS PZO Audible Module

Audible module with 6 tones selectable by DIP switch, IP54.

TWS MDA Audible Module

High sound output audible module with 32 tones selectable by DIP switch, IP54.

TWS A Audible Module

Audible module with 16 tones selectable by DIP switch, IP65

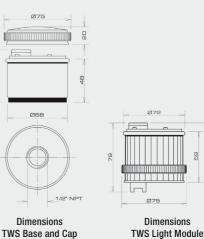
Specifications:

0.

| Protection: | IP66 (without audible modules |
|---------------------------|--------------------------------|
| Temp Rating (°C): | -30 to +50 |
| | (-10 to +45 for xenon version) |
| Cable Entry: | Through mounting base unit. |
| Rating: | Continuous |
| Construction: | Polycarbonate |
| For full dimensional deta | ails see www.mechtric.com.au |

Compliance and standards

Certifications obtained: CE, UL, PCT



TWS Light Module



Perth (08) 9248 0410

Sydney (02) 9676 1671 Melbourne (03) 9706 4599

Adelaide (08) 8347 2499

Brisbane (07) 3274 3327

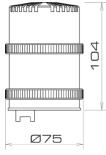
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TWS



TWS AUDIBLE MODULE



Dimensions **TWS Audible Module**



SIRT27693



SIRT27691



SIRT27695



SIRT27692

| Filame | Filament Bulb (bulbs not included) | | | | | |
|--------------|---|--|---|--|--|--|
| 12/240V ACDC | 12/48V DC | 24/240V AC | 24V ACDC | 110V AC | 240V AC | |
| Steady | Flas | hing | | | | |
| SIRT27631 | SIRT27641 | SIRT27651 | SIRT27661 | SIRT27671 | SIRT27681 | 0.11 |
| SIRT27632 | SIRT27642 | SIRT27652 | SIRT27662 | SIRT27672 | SIRT27682 | 0.11 |
| SIRT27633 | SIRT27643 | SIRT27653 | SIRT27663 | SIRT27673 | SIRT27683 | 0.11 |
| SIRT27634 | SIRT27644 | SIRT27654 | SIRT27664 | SIRT27674 | SIRT27684 | 0.11 |
| SIRT27635 | SIRT27645 | SIRT27655 | SIRT27665 | SIRT27675 | SIRT27685 | 0.11 |
| SIRT27636 | SIRT27646 | SIRT27656 | SIRT27666 | SIRT27676 | SIRT27686 | 0.11 |
| | 12/240V ACDC Steady SIRT27631 SIRT27632 SIRT27633 SIRT27634 SIRT27635 | 12/240V ACDC 12/48V DC Steady Flas SIRT27631 SIRT27641 SIRT27632 SIRT27642 SIRT27633 SIRT27643 SIRT27634 SIRT27644 SIRT27635 SIRT27645 | 12/240V ACDC 12/48V DC 24/240V AC Steady Flashing SIRT27631 SIRT27641 SIRT27651 SIRT27632 SIRT27642 SIRT27652 SIRT27633 SIRT27643 SIRT27653 SIRT27634 SIRT27644 SIRT27654 SIRT27635 SIRT27645 SIRT27655 | 12/240V ACDC 12/48V DC 24/240V AC 24V ACDC Steady Flashing SIRT27631 SIRT27641 SIRT27651 SIRT27661 SIRT27632 SIRT27642 SIRT27652 SIRT27662 SIRT27633 SIRT27643 SIRT27653 SIRT27663 SIRT27634 SIRT27644 SIRT27654 SIRT27664 SIRT27635 SIRT27644 SIRT27655 SIRT27664 | 12/240V ACDC 12/48V DC 24/240V AC 24V ACDC 110V AC Steady Flashing 5/24/240V AC 24V ACDC 110V AC SIRT27631 SIRT27641 SIRT27651 SIRT27661 SIRT27671 SIRT27632 SIRT27642 SIRT27652 SIRT27662 SIRT27672 SIRT27633 SIRT27643 SIRT27653 SIRT27663 SIRT27673 SIRT27634 SIRT27644 SIRT27654 SIRT27664 SIRT27674 SIRT27635 SIRT27645 SIRT27655 SIRT27665 SIRT27675 | 12/240V ACDC 12/48V DC 24/240V AC 24V ACDC 110V AC 240V AC Steady Flashing 5/24/240V AC 5/24/240V AC 110V AC 240V AC SIRT27631 SIRT27641 SIRT27651 SIRT27661 SIRT27671 SIRT27681 SIRT27632 SIRT27642 SIRT27652 SIRT27662 SIRT27672 SIRT27682 SIRT27633 SIRT27643 SIRT27653 SIRT27663 SIRT27673 SIRT27683 SIRT27634 SIRT27644 SIRT27654 SIRT27664 SIRT27674 SIRT27684 SIRT27635 SIRT27645 SIRT27655 SIRT27665 SIRT27675 SIRT27685 |

Order Code

Bulbs for TWS Filament Modules B15D 5W

TWS Filament Steady/Flashing Light Module 430mA

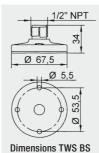
TWS Xenon Light Module 280mA

| Voltage | 12V | | 24V | | 48V | | 110V | | 240V | | 240V AC |
|-------------------------------|------------|----|------------|-----------|--------------------------|------------|-------------------|------------|---------|--|----------------|
| Order Code | SIR3906012 | | SIR3906024 | | SIR3906048 | SIR3906110 | | SIR3906130 | | | SIR3906240 |
| Audible Module (Black Colour) | | | | | | | | | | | |
| Order Code | Туре | Vo | Itage | No. Tones | Sound Outpu (dB @ 1m) | t | Sound Frequenc | у | Current | | Weight (Kg) |

| Order Code | Туре | Voltage | No. Iones | (dB @ 1m) | Sound Frequency | Current | Weight (Kg) |
|------------|------|-------------|-----------|-----------|--------------------|---------|----------------|
| SIRT27625 | PZ0 | 12/48V ACDC | 6 | 81 | 2800Hz | 13mA | 0.13 |
| SIRT27628 | PZ0 | 110/240V AC | 6 | 81 | 2800Hz | 7mA | 0.13 |
| SIRT27794 | MDA | 12/24V ACDC | 32 | 107 | 300-2850Hz | 106mA | 0.24 |
| SIRT27796 | MDA | 110/240V AC | 32 | 107 | 300-2850Hz | 60mA | 0.24 |
| SIRT33402 | А | 12/24V ACDC | 16 | 95 | 300-2850Hz | 240mA | 0.24 |
| SIRT33403 | А | 110/240V AC | 16 | 95 | 300-2850Hz | 120mA | 0.24 |

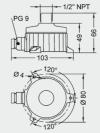
TWS Mounting Accessories and enclosures

| Order Code | Description | | | |
|------------|--|------|--|--|
| SIRT27691 | BS surface mount base black | 0.03 | | |
| SIRT27692 | PR extension pole 100mm black | 0.03 | | |
| SIRT27695 | Kit PR with BS black | 0.06 | | |
| SIRT27845 | Kit BS base with 100mm stainless steel extension | 0.14 | | |
| SIRT27846 | Kit BS base with 200mm stainless steel extension | 0.18 | | |
| SIRT27847 | Kit BS base with 400mm stainless steel extension | 0.28 | | |
| SIRT27693 | BP1 wall mount base black | 0.04 | | |
| SIRT33358 | SB stainless steel wall mount bracket with cable gland | 0.14 | | |
| SIRT27778 | Surface mount base with M16 cable gland black | 0.10 | | |
| SIRT33348 | FJ swivel base for inclined surface black | 0.11 | | |
| SIRT27602 | HD stainless steel 316 enclosure IP69K for 2 light stack | 2.7 | | |
| SIRT27677 | HD stainless steel 316 enclosure IP69K for 3 light stack | 2.7 | | |
| SIRT27606 | HD stainless steel 316 Enclosure IP69K for 4 light stack | 2.7 | | |
| SIRT27603 | HD anodised aluminium enclosure IP69K for 2 light stack | 1.1 | | |
| SIRT27840 | HD anodised aluminium enclosure IP69K for 3 light stack | 1.1 | | |
| SIRT27607 | HD anodised aluminium Enclosure IP69K for 4 light stack | 1.1 | | |
| SIRT27679 | HD stainless steel surface mount Base | | | |
| SIRT27841 | HD aluminium surface mount base | | | |
| SIRT27678 | HD stainless steel pole mount base | | | |
| SIRT27842 | HD aluminium pole mount base | | | |
| SIRT27680 | HD stainless steel side mount base | | | |
| SIRT27843 | HD aluminium side mount base | | | |



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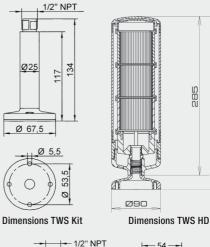


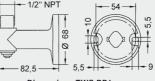
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Weight (Kg)

Dimensions TWS Box





Dimensions TWS BP1



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