PUSHBUTTONS AND SELECTOR SWITCHES SERIES **PLatinum**





Pushbuttons and selector switches Ø22mm



QUICK AND EASY ACTUATOR INSTALLATION



 Actuator fixing on the mounting surface, is obtained using its threaded ring, easily rotated by hand or by socket spanner/wrench.



- There is an anti-rotation fastener which 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.



accessories.

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



- Electrical contact 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.





Pushbuttons, spring return



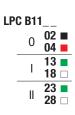


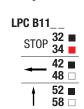




Pushbuttons, spring return, with symbol











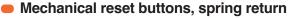
NOTE: other different symbols are available also for illuminated types.



Illuminated buttons, spring return















3

4 🔳

6

7 □ transp.

5



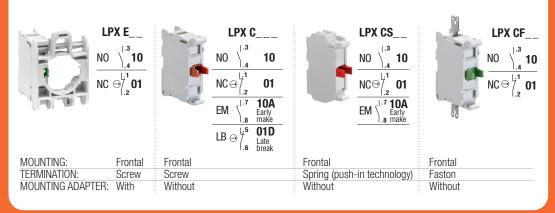
Illuminated push-push buttons



Pilot light heads



Contact elements



Mounting adapter

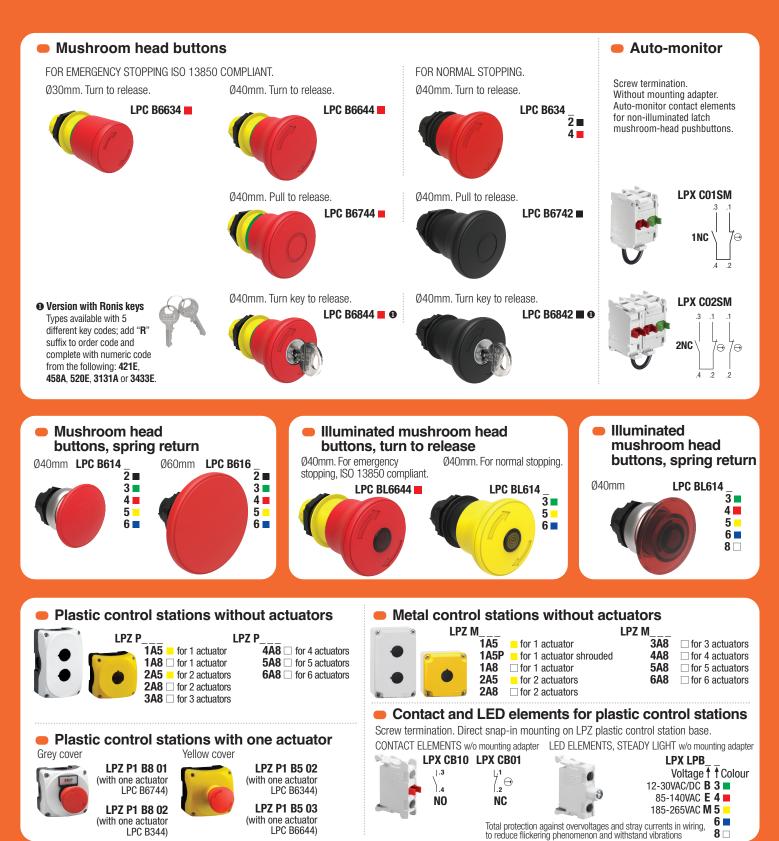
NOTE: contact elements can be mounted.



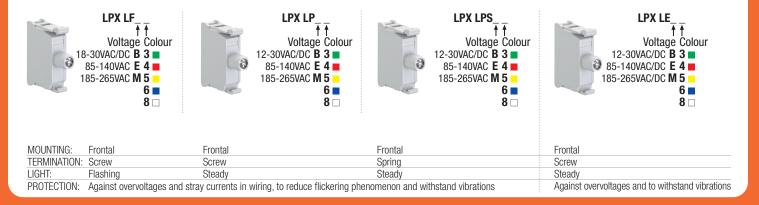
LPX AU120

Mounting adapter for contact and LED elements with actuators.

Allows mounting also on control station cover.

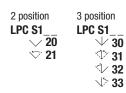


LED elements











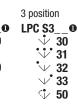
2 position	3 position
LPC S2	LPC S2
√ <u>20</u>	√30
♡ 21	ூ 31
	∜ 32
	√ ≥ 33



2 position	3 position
_PC S4	LPC S4
> 20	√ 30
🖙 21	∜ 31
	∜ 32
	√> 33



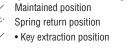
2 position LPC S3			
`\ `\			





LPC S3__O Version with Ronis keys Types available with 5 different key codes; add "R" suffix to order code and complete with numeric code from the following: 421E, 458A, 520E, 3131A or 3433E.





Type of positions and rotation angles





Illuminated selector switches





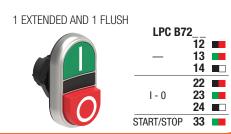
USB and RJ45 communication interfaces LPC D

USB **01** 3.0 A-A connection type 03 3.0 A-B connection type USB **05** 3.0 B-A connection type USB RJ45 06 Ethernet connection type (shielded)

Double-touch buttons, spring return



LPC B71		
12		
13		
14		
22		
23		
24		
33		
	13 14 22 23	



Triple-touch buttons, spring return

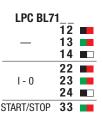
2 EXTERNAL FLUSH AND 1 MIDDLE EXTENDED



.PC B73		LPC B73_	
I STOP II	45	→ STOP 6	5
↑ STOP ↓	55	STOP 7	5

Double-touch buttons, spring return, white indicator light







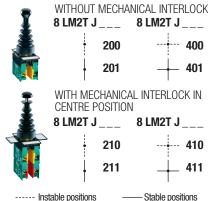
SH	•		
	LPC BL7	2	
		12	
	_	13	
		14	
		22	
	I - 0	23	
		24	
;	START/STOP	33	

Monoblock potentiometer drives



LPC PA **001** 1 kΩ **002** 2,5 kΩ **005** 5 kΩ **010** 10 kΩ **050** 50 kΩ 100 100 kΩ **500** 500 kΩ

Joysticks (IP65)



Pulse and steady tone monoblock buzzers



IP40 Supply voltage 9-15VAC/DC LPC ZSA 18-30VAC/DC LPC ZSB 85-140VAC/DC LPC ZSE LPC ZSM 185-265VAC/DC



IP66 Supply voltage 9-15VAC/DC LPC ZSA IP 18-30VAC/DC LPC ZSB IP 85-140VAC/DC LPC ZSE IP 185-265VAC/DC LPC ZSM IP

IP40: 90dB sound intensity at 10 cm. IP66: 80dB sound intensity at 10 cm.

LED integrated monoblock pilot lights, steady light



LPM L Voltage ↑ ↑ Colour 12VAC/DC A 3 24VAC/DC **B 4** 48VAC/DC **D** 5 120VAC **E 6** 230VAC **M 7**



Accessories

ovato

electric





LPX A170R



Order code	Description
LPX A127	Transparent diffuser for double-touch buttons
LPX A130	Threaded plug for unused drilled holes (grey)
LPX A140	Action plug for centre contact
LPX A150	Rod for mechanical reset button (I=150mm)
LPX A170	Spare standard key set for selector switches or mushroom- head buttons, key code n° 455
LPX A170R ❷	Spare key set for selector switches or mushroom head buttons, LPC R type
LPX B0	Flush-extended spring return actuator with no cap or lens
LPX B3	Shrouded spring return actuator with no cap or lens





Order code	Description
LPXQ0	Flush-extended push-push actuator with no cap
LPXQL0	Illuminated flush-extended
	push-push actuator with no lens
Flush cap for	spring-return actuators.
LPX B102	Black
LPX B103	Green
LPX B104	Red
LPX B105	Yellow
LPX B106	Blue
LPX B108	White
Extended cap for spring-return actuators.	
LPX B202	Black
LPX B203	Green
LPX B204	Red
LPX B205	Yellow
LPX B206	Blue
LPX B208	White



LPX BL105



LPX BL206

actuators.

Description Order code Flush lens for illuminated spring-return actuators. LPX BL103 Green LPX BL104 Red LPX BL105 Yellow LPX BL106 Blue LPX BL107 Transparent Extended lens for illuminated spring-return LPX BL203 Green LPX BL204 Red LPX BL205 Yellow LPX BL206 Blue LPX BL207 Transparent

2 Versions with different key code. Complete with the numeric code of the key. The following versions are available: 421E, 458A, 520E, 3131A, 3433E.

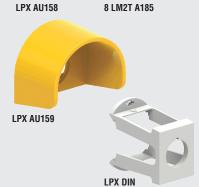






LPX AU108





Order code	Description	
LPX AU00	Threaded ring for actuator fixing	
LPX AU100	Label holder for blank or engraved plastic LPX AU109 label	
LPX AU109	Engravable silver plastic label to use with LPX AU100 holder	
LPX AU105	Label holder for blank or engraved LPX AU108 label	
LPX AU108	Engravable silver plastic label to use with LPX AU105 holder	
LPX AU13 🚱	Rubber boot for flush button LPC B1/BL1/R1	
LPX AU14 🚱	Rubber boot for buttons LPC B2/B3/BL2/R2	
LPX AU157	Rubber boot for double and triple-touch buttons, transparent	
LPX AU167 46	Rubber boot for mush-room head buttons,	
	LPC B63/B66/B67/BL66, transparent	
LPX AU158 46	Padlockable protection, Ø5-8mm locks for buttons	
	LPC B66/B67/B68/BL66; for LPC B34 Ø5-6mm locks only	
LPX AU159 @	Shroud for buttons LPC B63, LPC B66/67/68/BL66	
LPX DIN 9 6	Adapter for mounting LPC buttons on DIN rail 35mm/1.38"	
	wide (2 modules)	
LPX P01	M20 cable gland with threaded ring for LPZ control stations	
8 LM2T A161	Ø30mm hole size adapter set for 22mm (use 2 per hole)	
8 LM2T A185	Selector protection shroud for knob type only	
8 LM2T A200	Socket spanner/wrench for fixing ring fitting, metal	

- 3 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).
- 4 Cannot be used when LPX AU100 or LPX AU105 is fitted.
- 6 Cannot be used when LPX AU158 is fitted.
- 6 Cannot be used when LPX AU167 is fitted.

Plastic disk for mushroom head pushbuttons





LPX AU113

LPX AU110

Order code	Text
LPX AU113	EMERGENCY/STOP Ø90mm
LPX AU115	EMERGENCY/STOP Ø60mm
LPX AU118	ARRET D'URGENCE / NOT-AUS / PARO EMERGENCIA Ø60mm
LPX AU123	Emergency stop IEC 60417-5638 Ø60mm
LPX AU124	Emergency stop IEC 60417-5638 Ø90mm
LPX AU110	EMERGENCY STOP adhesive label, size 34.5x65mm

Labels with text for LPX AU100 legend holder

STOP

8 LM2T AGB230

Order code	Text
General use.	
8 LM2T AU206	Blank for writing
8 LM2T AU207	Sheet with 108 labels for laser printing •
8 LM2T AU208 ③	Sheet with 108 laser-printed labels •
8 LM2T AGB216	CLOSE
8 LM2T AGB220	EMERGENCY
8 LM2T AGB231	FAST
8 LM2T AGB263	FAULT
8 LM2T AGB215	FORWARD
8 LM2T AGB228	LEFT
8 LM2T AGB218	LOWER
8 LM2T AGB221	OFF
8 LM2T AGB223	ON
8 LM2T AGB211	OPEN
8 LM2T AGB229	POWER ON
8 LM2T AGB227	RAISE

Order code	Text
8 LM2T AGB226	RESET
8 LM2T AGB222	REVERSE
8 LM2T AGB217	RIGHT
8 LM2T AGB241	RUNNING
8 LM2T AGB224	SLOW
8 LM2T AGB225	START
8 LM2T AGB230	STOP STOP
8 LM2T AGB214	STOP RESET
8 LM2T AGB240	THERMAL FAULT
8 LM2T AGB237	TRIP
International labels	s for pushbuttons.
8 LM2T AU200	0
8 LM2T AU201	1
8 LM2T AU202	

Order code	Text	
For selector switches.		
8 LM2T AI233	AUTO-MAN	
8 LM2T AI234	AUTO-O-MAN	
8 LM2T AI241	MAN-AUTO	
8 LM2T Al242	MAN-O-AUTO	
8 LM2T AGB235	FWD-0-REV	
8 LM2T AGB236	OFF-ON	
8 LM2T AGB232	STOP-START	
International labels for selector switches.		
8 LM2T AU203	0-1	
O L BAOT ALIONA	1.0	

international labels for selector switches.	
8 LM2T AU203	0-I
8 LM2T AU204	I-II
8 LM2T AU205	I-O-II

- Recommended use with LPX AU109 blank label.
- 3 Complete code with required label text.



HIGH DEGREE OF PROTECTION

- IP66: Powerful water jets
- IP67: Water immersion at one metre
- IP69K: Powerful water jets at high pressure and temperature
- Type 4X: UL/CSA directives in regards powerful water jets.



ELEGANT STYLE AND ERGONOMIC DESIGN

All the series elements have an ergonomic design and, at the same time, particular care has been given to detail aesthetics.



LONG ACTUATOR MECHANICAL LIFE

- 5,000,000 cycles: Pushbutton actuators and mechanical reset buttons
- 1,000,000 cycles: Selectors, double and triple-touch actuators
- 300,000 cycles: Emergency-stop actuators.



MATERIALS RESISTANT TO OILS, SOLVENTS AND HYDROCARBONS



USAGE AT EXTREME TEMPERATURE CONDITIONS

Range between -25° and +70°C.



INTERNATIONAL CERTIFICATIONS







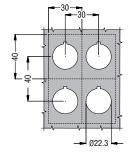


CONTACT ELEMENTS

REDUCED DIMENSIONS AND INTERAXIS



- Miniaturised size
- High electric conductivity 5V 1mA
- Up to 9 contact elements can be installed, 3 rows of 3 elements
- Available versions: Front and base mount with screw terminals while front-mount only with faston and spring-clamp terminals
- Contact operation with double breaking action, direct (positive) opening action and wiping effect.



Minimum pitch between drillings:

- 30x40mm for two single actuators on a mounting surface
- 30x55mm for double and triple-touch actuators or when spring clamp contacts are used.



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



Low actuator profile
 The external actuator bezel has a low profile and reduced front thickness.



ENERGY AND AUTOMATION

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