

Tactile pushbutton switches with large actuator



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Distinctive features and applications

#### **Common features**

- Large ergonomic actuator (Ø 35 mm)
- Tactile feedback
- Low behind-panel depth (21 mm max.)
- Stylish design
- Long life

This series has been developed on a modular base in order to fit the exact needs of technicians and end-users.

#### Installation options

The LPI series has a number of features to ensure easy installation:

- Front or rear mounting
- With or without sealing
- 2 separate circuits for NO/NC 5A version
- Terminal block connector for 0,1A NO version
- 3 different LED voltages: 6V, 12V, 24V
- Integrated LED resistor

#### Aesthetic options

- Ring or dot illumination
- Wide range of LED colours
- Wide range of bezel colours
- Many different actuator types and colours

#### Applications

Because of its large actuator, this product is suited to all indoor applications where the pushbutton needs to be located quickly (access control, call information, museums, exhibitions). This product is also ideal for applications where the end-user uses gloves.

This product meets the requirements of EN81-70 and is ideal for use in all types of indoor lifts.

**Dimensions** : First dimensions are in mm while inches are shown as bracketed numbers. **Tolerance** : The general tolerance for dimensions in this brochure is ± 0,3 (.012). Overall dimension tolerance is ± 0,5 (.020). Dimensions, specifications and data shown in this brochure are subject to change without notice.

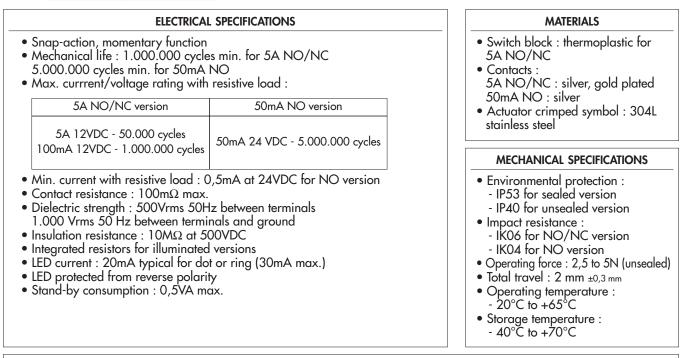
2

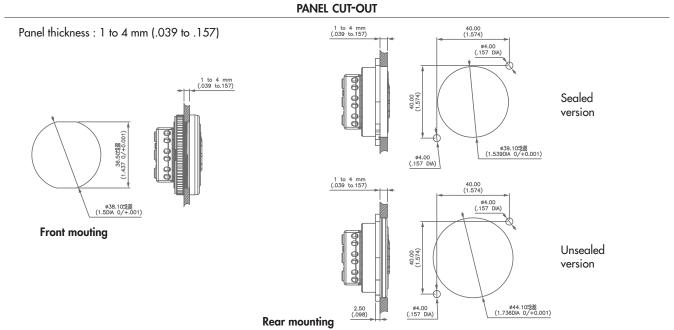
### Tactile pushbutton switches with large actuator

**Specifications** 



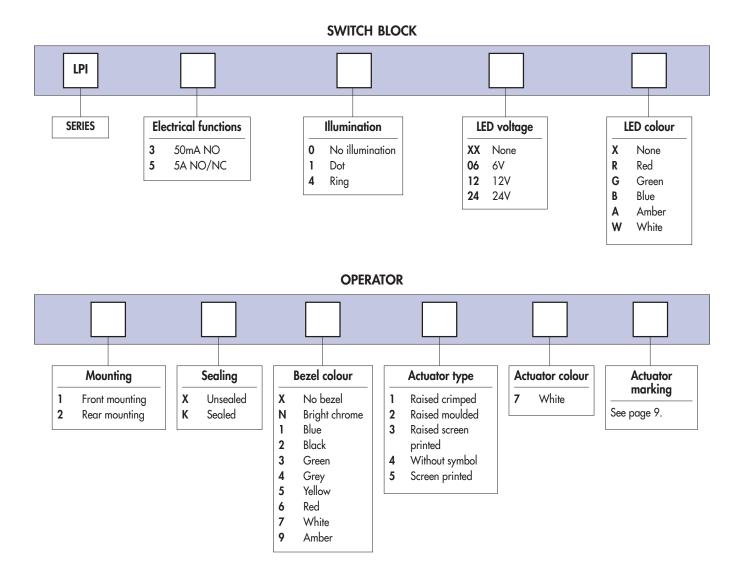
- □ Front or rear mounting
- Illuminated or non-illuminated
- □ Flexibility of marking
- Designed to meet the requirements of EN81-70





### Tactile pushbutton switches with large actuator

#### **Overview**



#### **ABOUT THIS SERIES**

On the following pages, you will find successively switch block order numbers and operator order numbers.



ř

NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

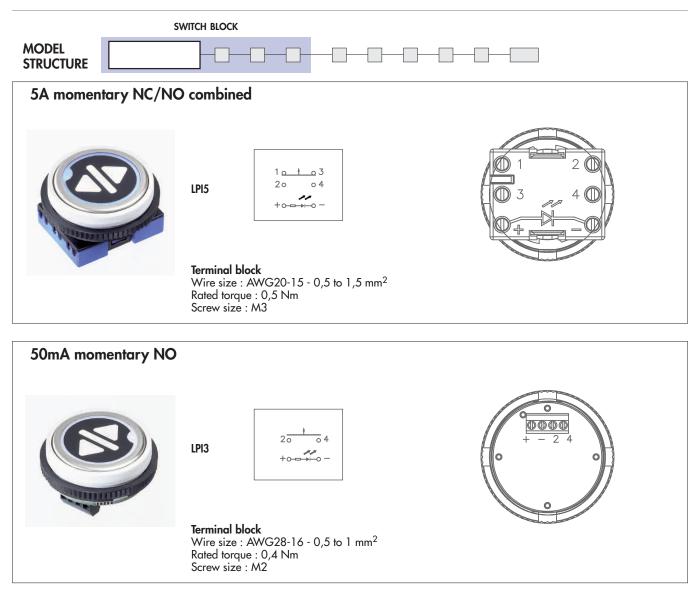
Packaging unit : 15 pieces for front mounting versions - 20 pieces for rear mounting versions.

4



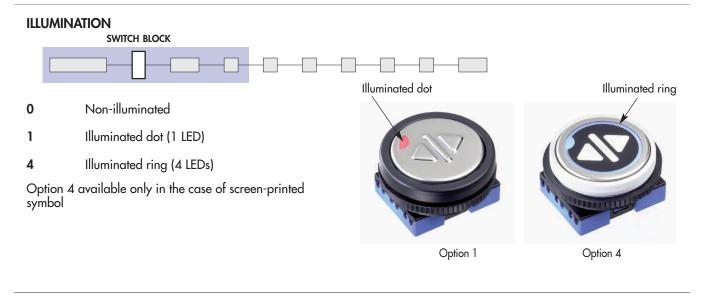
## Tactile pushbutton switches with large actuator

Switch block



## Tactile pushbutton switches with large actuator

#### Switch block



### LED VOLTAGE SWITCH BLOCK XX Non-illuminated 06 6V 12 12V 24 24V • Integrated resistors • LED current : 20mA typical for dot or ring (30mA max.) • LEDs protected from reverse polarity • Stand-by consumption for illuminated product : 0,5VA max.

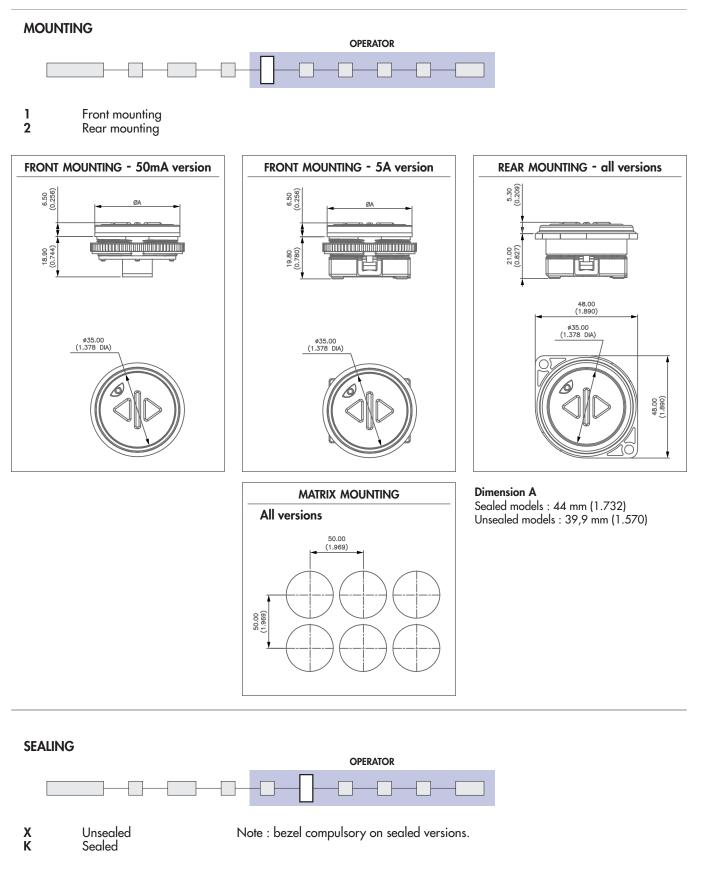
LED	COLOUR SWITCH BLOCK						
			Colours available with illuminated ring (option 4)				
Х	Non-illuminated		Red	Green	Amber	Blue	White
R	Red	LED voltage	Version 5A				
G A	Green Amber	6V	No	No	No	No	No
B	Blue	12V	Yes	Yes	No	No	No
Ŵ	White	24V	Yes	Yes	Yes	Yes	No
		LED voltage	Version 50mA				
		6V	No	No	No	No	No
		12V	Yes	No	Yes	No	No
		24V	Yes	Yes	Yes	Yes	No

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### Tactile pushbutton switches with large actuator

**Operator** 



APEM

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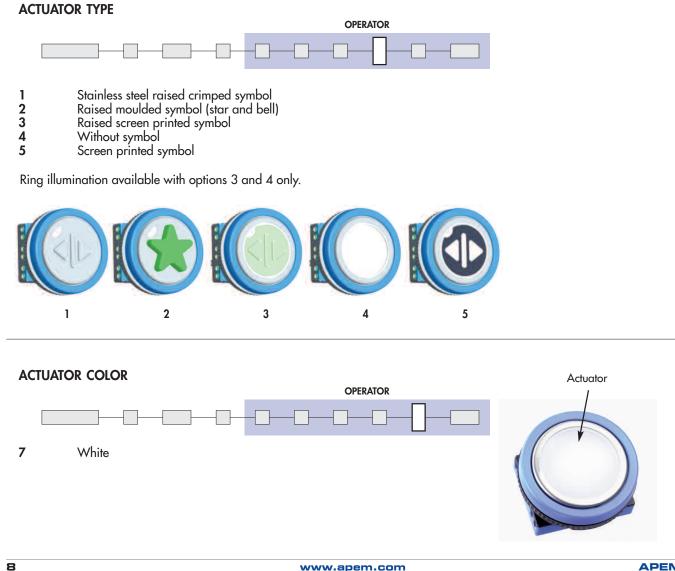
#### **Operator**

#### **BEZEL COLOUR** OPERATOR XN12345679 No bezel Bezel Bright chrome Blue Black Green Grey Yellów Red White Orange

For sealed versions, the bezel is compulsory

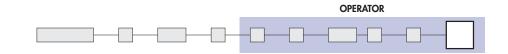
For unsealed versions, the bezel is optional on rear mounting versions (not available on front mounting versions).

Bright chrome (option N) : consult us.



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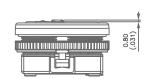
**Operator** 

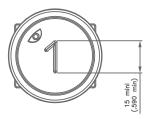


CODE	SYMBOL	DESCRIPTION
ХХ	/	No symbol
00	0	
01	1	
02	2	
03	3	
04	4	
05	5•	With single tactile point
06	6	
07	7	
08	8	
09	9	
10		
11	-1	
12	-2	
13	-3	

**ACTUATOR MARKING** 

CODE	SYMBOL	DESCRIPTION	
14		Open	
15	▶	Close	
16	Δ	Up	
17	V	Down	
18	Δ	Left	
19		Right	
20	4	Ventilation	
21		Alarm (moulded, yellow)	
22	*	Exit level (moulded, green)	
23	C	Phone	





Actuator type 1

	Symbol height				
	Symbol 21	Symbol 22	Other symbol		
Actuator type 1	х	х	0,8 mm		
Actuator type <b>2</b>	5 mm	5 mm	х		
Actuator type 3	х	х	0,8 mm		
Actuator type <b>4</b>	х	х	х		
Actuator type 5	х	х	0 mm		

x = non available

## APEM, a world of switching capabilities

The APEM group is one of the world's largest manufacturers of switches, switch panels and joysticks.

APEM designs, develops, manufactures and sells electromechanical components to multiple industrial markets including: instrumentation, medical, security, communications, industrial automation, avionics, military and transport.

## Matching products





### Switch panels

APEM offers several switch panel technologies suitable for automotive, industrial, vending, military and other professional custom applications. APEM has expertise in designing and manufacturing membrane switch panels, stainless steel keyboards and complete custom interfaces incorporating backlighting, electroluminescence, EMC protection and associated electronics

### LED indicators

The Q series panel mount LED indicators complement the APEM range of products. This series comprises seven different diameters, from 6 mm to 22 mm. They are available with prominent, recessed and flush bezel styles, different bezel finishes, five LED colours, as well as bicolour, tricolour and flashing LEDs. Integral resistors permit direct connection to 12VDC, 24VDC, 110VAC and 230VAC. APEM also manufactures special DDA-compliant yellow LED indicators.



Addresses of sales subsidiaries and distributors network on WWW.APEM.COM