



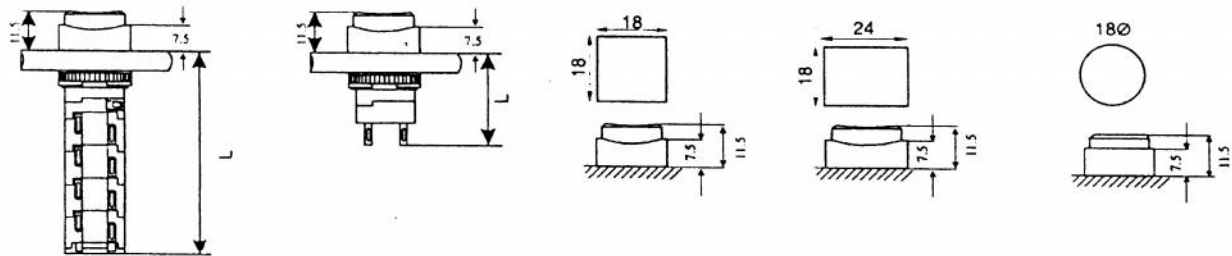
## Description

- Mounting hole diameter 16 mm.
- Apparent shapes with rectangle 18 x 24 mm, square 18 x 18 mm and round diameter 18 mm.
- The rubber-sealed type provided to prevent the liquid penetration in front of panel (IP-65 Version).
- High bezel that prevents accidental actuation.
- Illuminated by midget grooved T1¾ lamps including incandescent, neon, fluorescent and multi chip - LED lamps •
- Snap-action which accelerates on-off switching.
- Normally closed and normally open contacts in each switch block.
- High performance plastic resistant to high-temperature and oil-polluted environments.
- UL 94 V0 class plastic to make self-extinguished.

## Applications

- Office Equipment
- Telephone exchanges
- Mimic panels
- Instruments and controllers
- Computer peripherals
- Control panels for CNC machines and process control

## Apparent Shape



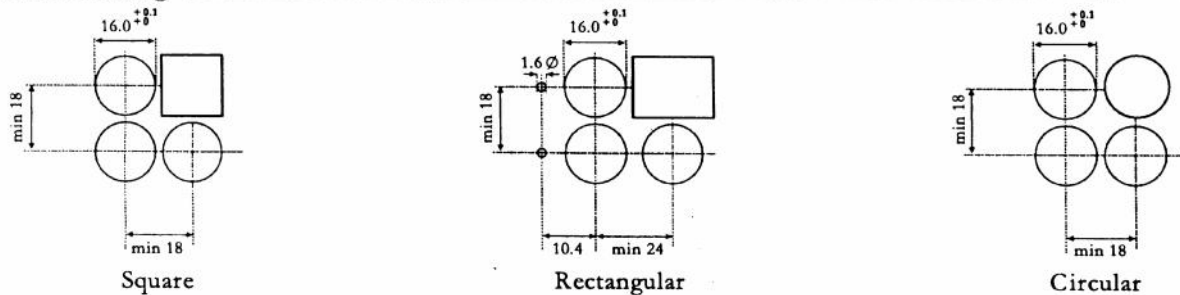
1 NO + 1 NC L = 27.5 mm

Indicator L = 23.5 mm

2 NO + 2 NC L = 36.0 mm

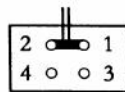
3 NO + 3 NC L = 44.5 mm

## Panel Mounting



## Terminal arrangement

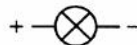
The numbers and signs are marked on the bottom of the switches



1, 2 : Normally closed

3, 4 : Normally open

+, - : Lamp terminal





### Technical Specifications :

Switch Element	:	Self-cleaning, double breaking and snap action which could be used as double throw or change - over switch.
Contact material	:	Silver Alloy with Gold plating.
Operating travel	:	3 mm.
Actuating force	:	120 - 250 grams minimum depending on the number of switch blocks.
	:	5.0A @ 250 V AC (p.f. = 1).
	:	0.2 A @ 250 V DC (resistive).
Mechanical life	:	$2 \times 10^6$ operations min.
Electrical life	:	At 5 A / 250 V AC $> 7.0 \times 10^4$
Initial Contact Resistance	:	Less than 30 m $\Omega$ .
Insulation Resistance	:	Min 1000 M $\Omega$ @ 500 V DC.
Dielectric Strength	:	1500 V AC, 50Hz, 1 min, between contacts.
Soldering heat resistance	:	280 <sup>0</sup> C/5 Sec.
Terminals	:	Maximum diameter of wire 2 x 0.80 mm (AWG 20). Maximum diameter stranded cable 0.75 mm (AWG 18).
Operating temperature	:	-30 <sup>0</sup> C to + 80 <sup>0</sup> C.
Storage temperature	:	-40 <sup>0</sup> C to + 85 <sup>0</sup> C.
Contact Block Casing	:	Duroplast, self extinguishing (UL 94 V0).

### Ordering Information

1	2	3	4	5	6	7	8
Series	Shape	No. of Blocks	Mode	Colour	Illuminating element	Voltage	Type of connection
PE-16X	C-Circular	0-Indicator	L - Latched	R - Red	B - Bulb	6 V DC	S - Solder Type
	S-Square	1-1 NO + 1 NC	M - Momentary	Y - Yellow	L - LED		
	R-Rectangular	2-2 NO + 2 NC	X - Not applicable	G - Green		24 V DC	
		3-3 NO + 3 NC		B - Blue	N - Neon	110 V AC	
		4-4 NO + 4 NC		O - Orange		220 V AC	
				W - White			

- Note : 1. X - Not applicable  
 2. Multi Chip LED is available in Red, Yellow and Green colours only.  
 3. For 48V illumination supply for bulbs, Indicators are supplied with 24V bulb with factory connected external series 820 $\Omega$ /2W carbon film resistor.

	1	2	3	4	5	6	7	8
Example : For Single Block Switch	PE-16X	C	1	L	R	B	24	S

Means : Series PE-16X, Circular, 1-1 NO + 1 NC, Latched, Red, Bulb, 24 V DC, Solder type.

	1	2	3	4	5	6	7	8
Example : For Indicator	PE-16X	R	0	X	G	L	12	S

Means : Series PE-16X Rectangular, Indicator, Green, LED, 12 V DC, Solder type.