Complete illuminated knob-operated 3-position selector switch P3L

Technical data
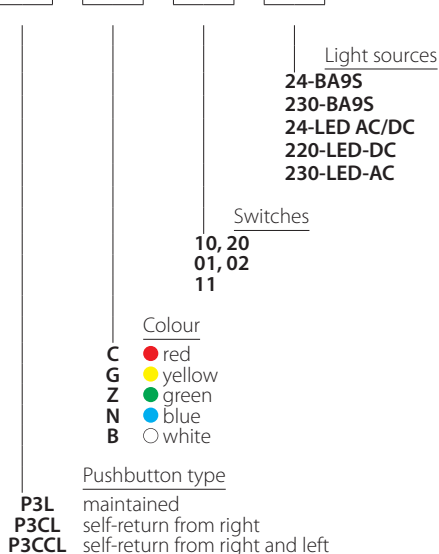
Rated insulation voltage U_i	500 V
Rated continuous current $I_u = I_{th}$	10 A
Rated operational current I_e for AC-15	2.5 A (230 V) 1.6 A (400/500 V)
Rated operational current I_e for AC-13	4 A (24 V) 1 A (110 V) 0.25 A (220 V)
Switch short-circuit protection	10 A (fast fuse link) 1 kA (prospective short circuit current for U_e=500 V)
Mechanical endurance	0.3 mln (transposition cycles)
Electrical endurance	0.2 mln (at rated switching voltages and currents) 1.0 mln (switching cycles) - up to 80 VA (for AC electromagnets) - up to 10 W (for DC electromagnets)
Frequency of switching	up to 360 h^{-1}
Ambient temperature	-40 ... +70°C (work) -40 ... +70°C (storage)
Vibration test (acc. to IEC 60068-2-6)	2...13, 2...100 Hz (frequency) ± 1 mm (amplitude) ±0.7 g (acceleration)
Shock test (acc. to IEC 60068-2-27)	15 g (peak acceleration) 11 ms (impulse duration)
Damp heat cyclic test (acc. to IEC 60068-2-30)	55°C (ambient temperature) 95% (relative humidity)
Salt mist cyclic test (acc. to IEC 60068-2-52)	severity 1
Protection level (Publ. IEC529) of pushbutton actuators after mounting in panel opening	IP65
Wire gauge	2× 1...2.5 mm² (solid) 0.75...1.5 mm² (stranded)
Working position	any
Terminal marking	PN-EN 50013
Lamp base	BA9S
Lamp power rating	1 W (LED 24/230 V) 2 W (bulb 24/230 V)
Lamp rated voltage 24,230 V AC and 24, 220 V DC	24 ... 230 V
Compliance with the standard	PN-EN 60947-5-1 IEC 60947-5-1 IEC 60947-1

Accessories

Legend plate ST22-1901 for knob or key-operated selector switches

Ordering code

ST22- ☐ **.** ☐ **-** ☐ **-** ☐

Light sources
24-BA9S
230-BA9S
24-LED AC/DC
220-LED-DC
230-LED-AC

Switches
10, 20
01, 02
11

Colour
C ● red
G ● yellow
Z ● green
N ● blue
B ○ white

Pushbutton type
P3L maintained
P3CL self-return from right
P3CCL self-return from right and left

Description: the first digit represents the number of normally open circuits, the second digit represents the number of normally closed circuits.

Components

Pushbutton actuators

Illuminated knob-operated 3-position selector switch actuator P3

Lighting elements

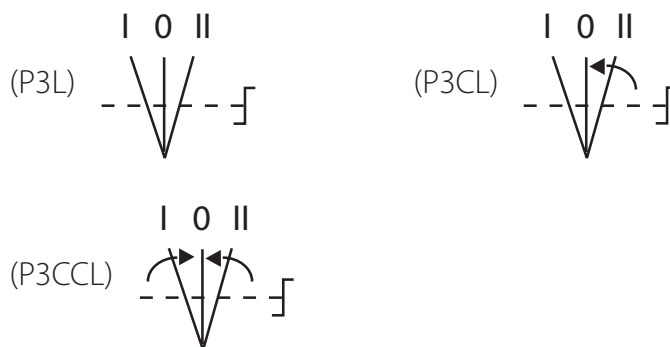Lamp holders for light sources ST22-1417

Light sources ST22

Holders

Holder ST22-6609

Switches

Switches ST22 rail-mounted

Standard switches ST22

Diagrams

(P3L)

(P3CL)

(P3CCL)

Dimensions