

Holders

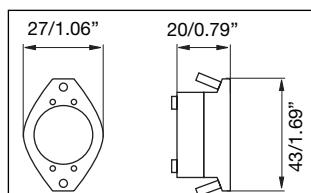


Holder type "M"

Code

PB MB M

Material

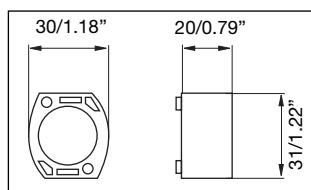
Zn + PBT

Holder type "P"

Code

PB MB P

Material

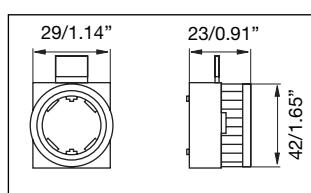
PBT

Holder type "N"

Code

PB MB N

Material

PC

Lamp Element



Ordering key

PALAMP R 220A

Type _____
 Colour _____
 Voltage _____

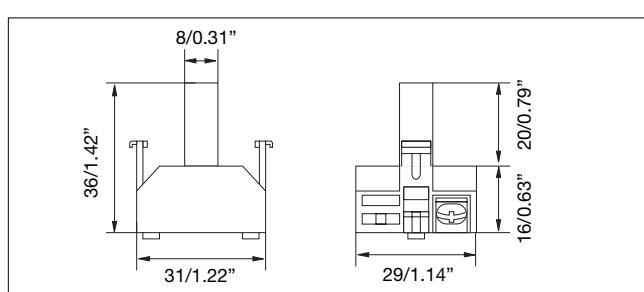
Approvals



Voltage

06 = 6VAC/DC	110 = 110VAC/DC
12 = 12VAC/DC	220D = 220VDC
24 = 24VAC/DC	220A = 220VAC
48 = 48VAC/DC	380A = 380VAC

Dimensions mm/inches



Colours

R = Red
 W = Clear/White
 B = Blue

Y = Yellow
 G = Green

Technical data

Rated imp. withstand voltage U_{imp}	2500VAC 50Hz 1min.
Rated insulation Voltage U_i	500VAC
Allowable voltage fluctuation	$\pm 20\%$
Continuous operating life	$\geq 100.000\text{h}$
Ultrahigh brightness	$\geq 100\text{cd}/\text{m}^2$ ($\geq 9.29\text{ftc}$)
Applying frequency	50-60Hz
Current consumption (AC/DC)	$\leq 18\text{mA}$
Operating temperature	-25 to +70°C (-13 to +158°F)
Storage temperature	-30 to +80°C (-22 to +176°F)

Wiring Notes

- 1) Use 60°C or 75°C copper (CU) conductor and wire size range 18AWG, stranded or solid.
- 2) Terminal tightening torque 0.6Nm (5.3in.lb)
- 3) Recommended external fuse - listed or R/C fuses, Supplemental (JDYX, JDYX2) rated 3A maximum.

Panel Actuators and Indicators

Type PA2

Contact Block

CARLO GAVAZZI



- High switching power
- Double switch
- Industrial applications
- 10A switching capacity
- Up to 500VAC
- Modular mounting (up to 3 elements)
- Screw terminals
- High reliability
- cULus and CE
- According to EN ISO 13850 (only NC slow action)
- IEC/EN 60947-5-1, IEC/EN 60947-5-5, UL 508

Product description

Switching element equipped with two independent elements. Available in different switching configurations. Pole and throw configurations can be single

pole single throw (SPST) or double pole single throw (DPST).

Elements can be snapped to each other on the bottom, up to 3.

Approvals



Technical data

Contact resistance	$\leq 50\text{m}\Omega$
Travel	$5.8 \pm 0.2\text{mm (}2.28'' \pm 0.08''\text{)}$
Rated insulation Voltage U_i	660VAC/DC (acc. to IEC 60947-5-1) 600VAC/DC (acc. to UL508)
Rated imp. withstand voltage U_{imp}	2500VAC 50Hz 1min.
Minimum switching power	
Min Current	100mA
Min Voltage	24V
Switch housing	PC
Contact parts	Cu
Contact material	
Standard	Hard silver
Optional	Gold/silver
Optional for aggressive atmospheres	Silver/palladium
Operating temperature	-25 to +70°C (-13 to +158°F)
Storage temperature	-30 to +80°C (-22 to +176°F)

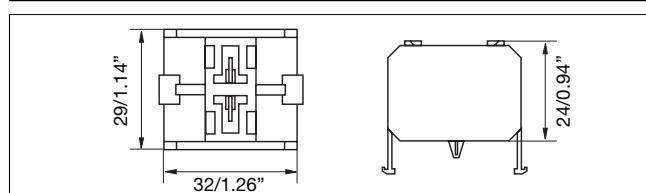
Terminals

Screw terminals
Max. section single-core wire
Max. section stranded wire
Copper conductor wire

Terminal tightening torque

2 x 2.5mm² (0.004sq.inch)
2 x 1.5mm² (0.002sq.inch)
14 AWG @ 60°C or 75°C
CU conductor
1.2Nm (10.6in.lb.)

Dimensions mm/inches



Ordering key

PA 2 110 / 1

Type _____
Number of contacts _____
Contact code _____
Options (1 = Snap action _____
2 = Slow action with forced opening (NC contact) _____

Contact code

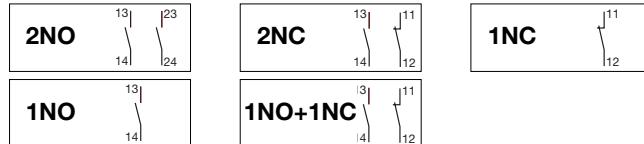
Contact configuration	Contact code
2 NO contacts (DPST)	200
2 NC contacts (DPST)	020
1 NC contact (SPST)	010
1 NO contact (SPST)	100
1 NC + 1 NO contacts (DPST)	110

Contact characteristics

Contact Rating AC1	10A @ 250VAC		
Contact Rating	AC15	DC13	
(acc. to IEC 60947-5-1)	@ 24V	10A	6A
	@ 110V	8A	1A
	@ 220V	6A	0.5A
	@ 380V	4A	-
	@ 500V	2.5A	-
AC Contact Rating (acc. to UL 508)	A600	B600	
B600 (all snap codes)	@ 120V	6A	3A
A600 (all slow codes)	@ 240V	3A	1.5A
	@ 480V	1.5A	0.75A
	@ 600V	1.2A	0.6A
DC Contact Rating (acc. to UL 508)	Q600	Q300	
Q600 (all snap codes)	@ 125V	0.55A	0.55A
Q600 (100, 200 slow codes)	@ 250V	0.27A	0.27A
Q300 (010, 020, 110 slow codes)	@ 480V	0.10A	-
	@ 600V	0.10A	-

Contact rating designation	Thermal continuous test current, Amperes	Maximum current, amperes (acc. to UL508)						Maximum volt-ampères			
		120V		240V		480V					
A600	10	60	6.00	30	3.00	15	1.5	12	1.2	7200	720
B600	5	30	3.00	15	1.50	7.50	0.75	6	0.6	3600	360
Contact rating designation		Maximum current, amperes (acc. to UL508)						Maximum make or break volt-ampères @ 300V or less			
		125V		250V		301 to 600V					
G600	2.5	0.55		0.27		0.10		69			
Q300	2.5	0.55		0.27		-		69			

Wiring diagram



Assembling and Mounting

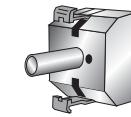
It come easy to get a complete product. Just to choose the operator, the holder, the lamp element if illuminated function is required and the contact block (up to 3).



Operator



Holder



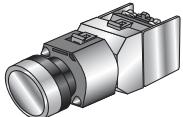
Lamp element



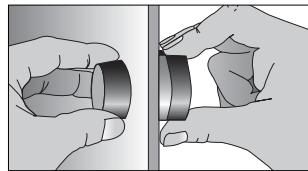
Contact block



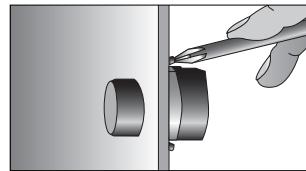
Bezel Push Button with LED and 1NO+1NC



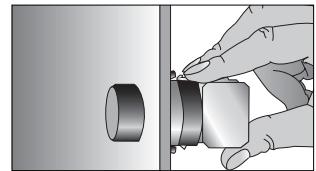
To install it, the only tool needed is a screwdriver. The same used to wiring the contact block can be used to fix the push-button.



The operator will be inserted into the panel.



The holder will be secured at the back by two screws or nut.



The contact block is snapped on.

Accessories for Panel Actuators



Terminal shield

Installed behind the wiring screws of the contact block to avoid electric shock.

PC

PA 2 SHIELD



Mounting ring Ø22mm (0.87")

Installed on plastic panel to strengthen mounting.

FE

PA MR 22



Mounting ring Ø25mm (0.98")

When the mounting hole is Ø25mm (0.98"), it should be add to the panel.

FE

PA MR 25



Front bezel set Ø30mm (1.18")

For Ø30mm (1.18") panel hole, to have a thinner effect.

AL

PA FBZL 30



Warning plate

For emergency stop push buttons. ABS
Thickness 1.5mm/0.059"

Ø60mm/Ø2.36" PA WP 6
Ø90mm/Ø3.54" PA WP 9



Yellow protection ring

To protect button and to prevent strike or mistaking operation.

ABS

Ø40mm/Ø1.57" PA YPR 4
Ø60mm/Ø2.36" PA YPR 6



Panel hole cap Ø22mm (0.87")

For blocking up prepared or useless holes on the panels.

ABS

PA PHC 22

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Carlo Gavazzi](#):

[PB22BIM40R](#) [PB22SM40R](#) [PB22BM61K](#) [PB22SM40G](#) [PB22SIM40R](#) [PB22SM61R](#) [PB22BM41K](#) [PB22SPPM61R](#)
[PB22BM40K](#) [PB22BM60K](#) [PB22SIM61R](#) [PB22SIM40G](#) [PB22SM60R](#) [PB22BIM61R](#) [PB22SIM40Y](#) [PB22BM61R](#)
[PB22SIM60R](#) [PB22SM41R](#) [PB22BM60G](#) [PB22SIM41R](#) [PB22BM41R](#) [PB22BIM41R](#) [PB22BM60R](#) [PB22BM40R](#)
[PB22SPPM41R](#) [PB22SPPM41K](#) [PB22BIM60R](#)