PBA series

Piezo switches

Distinctive features - Specifications - Overview

- ❑ **Sealed to IP 68 (switches mounted on panel)**
- ❑ **Easy to clean metal surface**
- ❑ **Long life**
- ❑ **Ring or dot illumination**

B

ELECTRICAL SPECIFICATIONS

- Rated voltage : 5V to 24 VAC/DC max.
- Rated current : 0,2A to 1A max.
- Switch resistance ON : 10Ω max.
- Switch resistance OFF : 5MΩ min.
- Switch capacitance : 25pF
- LED : 20mA 5VDC

GENERAL SPECIFICATIONS

- Operating force : 2 to 6N
- Life expectancy : 50 million cycles
- Operating temperature : -40°C to +75°C
- EMI or RFI effect : none
- Sealing : IP 68 per IEC 529 (switches mounted on panel)

MATERIALS

- Case : aluminium, anodized or stainless steel
- Terminals : multi-wire leads AWG24, length 300 mm (11.81)

Standard hardware supplied :
1 hex nut U4116 (19 mm ac. flats) or
1 hex nut U6440 (25 mm across flats)

Packaging unit :
Bushing Ø 16 (.629) : 40 pieces
Bushing Ø 22 (.866) : 20 pieces

Dimensions : first dimensions are in mm while inches are shown as bracketted numbers.

PBA | ☐ | ☐ | ☐ | ☐ | ☐ | ☐

SERIES

Bushing / operator

R1	Bushing Ø 16 (.629), flat
R2	Bushing Ø 22 (.866), flat (dot illumination only)
R5	Bushing Ø 16 (.629), with chamfer (non-illum. only)
R6	Bushing Ø 22 (.866), with chamfer (dot illumination only)

Electrical function

A	NO (pulse)

Terminals

F	Wire leads

Colours / Materials

0	**Natural anodized**
1	Blue anodized
2	**Black anodized**
3	Green anodized
5	Gold anodized
6	Red anodized
9	Stainless steel*·

* Non-illuminated only

Ratings

000	200mA 24VAC/DC (std)
002	1A 24VAC / DC

LED colours

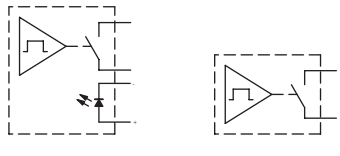
Blank	Non-illuminated
Ø 16 with illuminated ring	
A0B	Blue
A0G	Green
A0S	Red
A0Y	Amber
Ø 22 mm with illuminated dot	
L0B	Blue
L0G	Green
L0S	Red
L0Y	Amber
LSG	Red/Green

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

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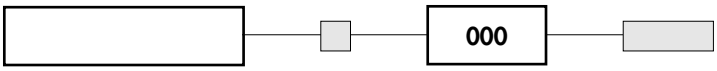
Bushing Ø 16 (.629) - illuminated and non-illuminated



Illuminated Non-illuminated

- Panel cut-out : Ø 16,2 mm (.637)
- Operator Ø 18 mm (.708)

MODEL STRUCTURE

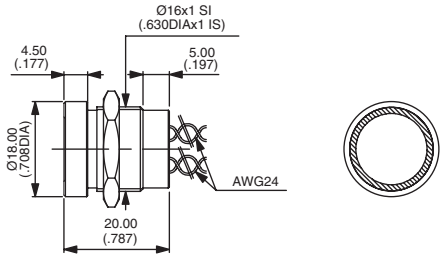


B

With illuminated ring



Flat operator
PBAR1AF



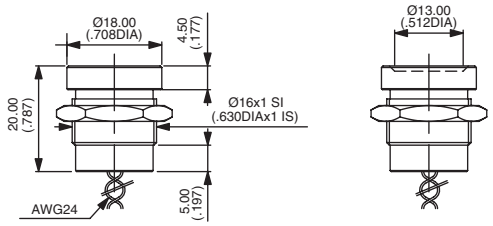
Wire colours : red : contact, yellow : LED anode (+), blue : LED cathode (-)

Non-illuminated

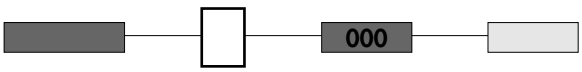


Flat operator
PBAR1AF

With chamfer
PBAR5AF

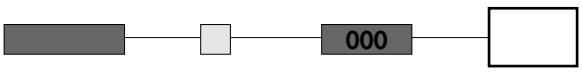


BUSHING COLOURS / MATERIALS



0 : **natural anodized aluminium** - **1** : blue anodized alum. - **2** : **black anodized alum.**- **3** : green anodized alum.
5 : gold anodized alum. - **6** : red anodized alum. - **9** : stainless steel (non-illum. only)

LED COLOURS



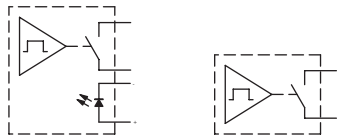
Blank : non-illuminated

A0B : blue - **A0G** : green - **A0S** : red - **A0Y** : amber

PBA series

Piezo switches

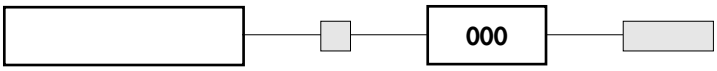
Bushing Ø 22 (.866) - illuminated and non-illuminated



Illuminated Non-illuminated

- Panel cut-out : Ø 22,2 mm (.874)
- Operator Ø 28 mm (1.102)

MODEL STRUCTURE



Wire colours : red : contact, yellow : LED anode (+), blue : LED cathode (-)

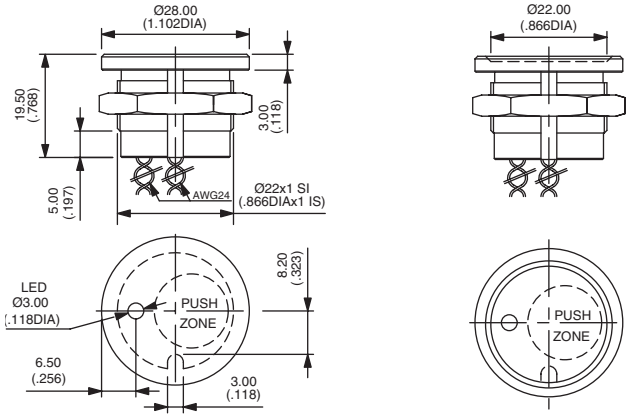
B

With illuminated dot



Flat operator
PBAR2AF

With chamfer
PBAR6AF

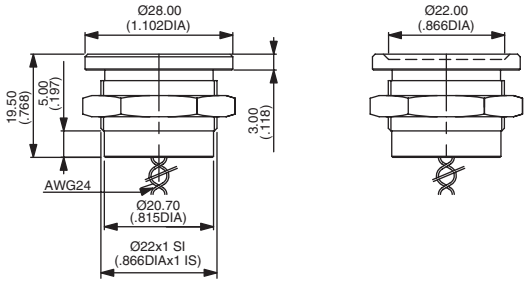


Non-illuminated



Flat operator
PBAR2AF

With chamfer
PBAR6AF

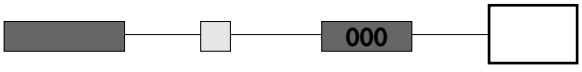


BUSHING COLOURS / MATERIALS



0 : **natural anodized aluminium** - **1** : blue anodized alum. - **2** : **black anodized alum.** - **3** : green anodized alum.
5 : gold anodized alum. - **6** : red anodized alum. - **9** : stainless steel (non-illum. only)

LED COLOURS



Blank : non-illuminated

L0B : blue - **L0G** : green - **L0S** : red - **L0Y** : amber - **LSG** : red/green