

PBA series

Piezo switches Ø 16 mm



DISTINCTIVE FEATURES

Bushing diameter 16 (.630), 19 (.748), 22 (.866) or 30 mm (1.181)

Sealed to IP68 and IP69K (switches mounted on panel)

Easy to clean metal surface

Very long life expectancy

Ring illumination



ENVIRONMENTAL SPECIFICATIONS

- Sealing : IP68 per IEC 60529, IP69K per DIN 40050-9 (switches mounted on panel)
- Vibration resistance : 10-500 Hz / 10 g per IEC 60068-2-6
- Operating temperature : -40 °C to +75 °C (-40 °F to + 167 °F)
- EMC compatibility according to EN 61058-1 for the whole range
- EMC compatibility according to EN 61000-4 & EN61000-6-2 for model 1A (code 002)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - Function A : standard 200 mA 24 VAC/DC - option 1 A 24 VAC/DC
 - Function B : standard 100 mA 24 VAC/DC
- Switch resistance ON : 10 Ω max.
- Switch resistance OFF : 5 MΩ min.
- Life expectancy : 50 million cycles
- LED consumption : Illuminated dot 10 mA - Illuminated ring 20 mA (functions A-B-C)
- Power consumption for function 1 :
 - non-illuminated 10 mA - illuminated 30 mA



GENERAL SPECIFICATIONS

- Operating force : 2 to 6 N
- Torque : 2.5 Nm min. - 3 Nm max.

The company reserves the right to change specifications without notice.



PBA series

Piezo switches Ø 16 mm



MATERIALS

- Case : aluminum, anodized or stainless steel 316L
- Multi-wire leads section 0.22 mm² length 300 mm, twisted by pair
- Cable, length 300 mm, section depending on switch model
- PC terminals : bronze, tin plated

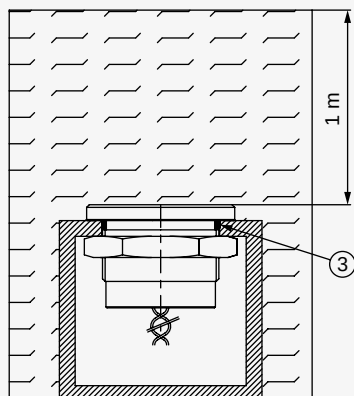
APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

Note : to maintain the ESD performance, always add a ground washer when the panel is made of non-conductive material (PVC, polycarbonate).
For part numbers, see "Mounting accessories" on the following pages.



SEALING

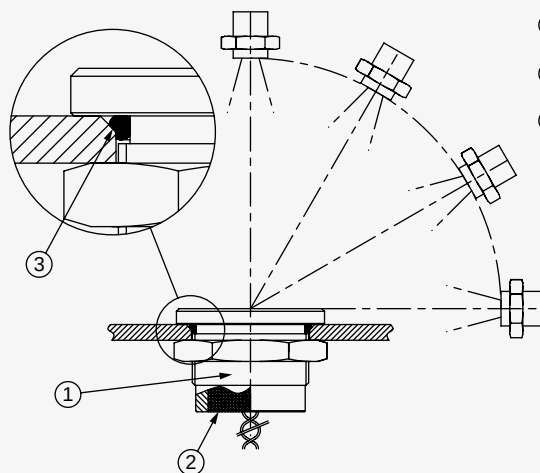
SEALING IP68



Continuous immersion in water IP68 test conditions

Continuous immersion in water
(1 m, 24 hours)

SEALING IP69K



- ① - One-piece bushing
- ② - Epoxy sealed terminals
- ③ - O-ring

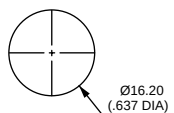
High pressure, high temperature wash down IP69K test conditions

- . Pressure : 80 - 120 bars
- . Distance : 15 cm
- . Temperature : 80 °C ± 5 °C (176 °F ± 41 °F)
- . Flow : 14 - 16 l/mn
- . Duration : 30 seconds per position



PANEL CUT-OUT

MODELS Ø16 (.630)

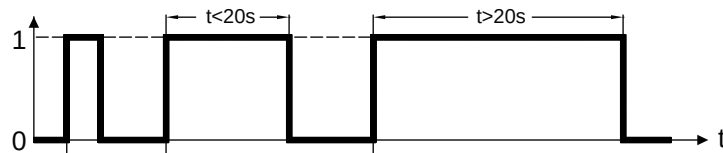




ELECTRICAL FUNCTIONS

FINGER PRESSURE APPLIED TO SWITCH

1 : pressure / 0 : no pressure

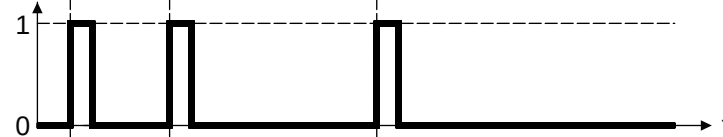


OUTPUT

1 : closed output / 0 : open output

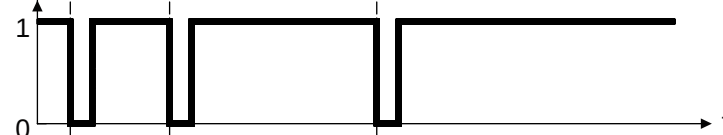
Momentary NO (pulse)

No external power supply required



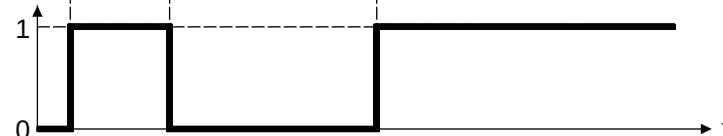
Momentary NC (pulse)

No external power supply required



Latching (ON - OFF)

Requires external power supply



WIRING DIAGRAMS

	Non-illuminated	1 LED *	2 LEDs	3 LEDs
Momentary NO				
Momentary NC				
Latching (ON - OFF)				

Legend : C : yellow, D : blue, B : black, A : same color as LED

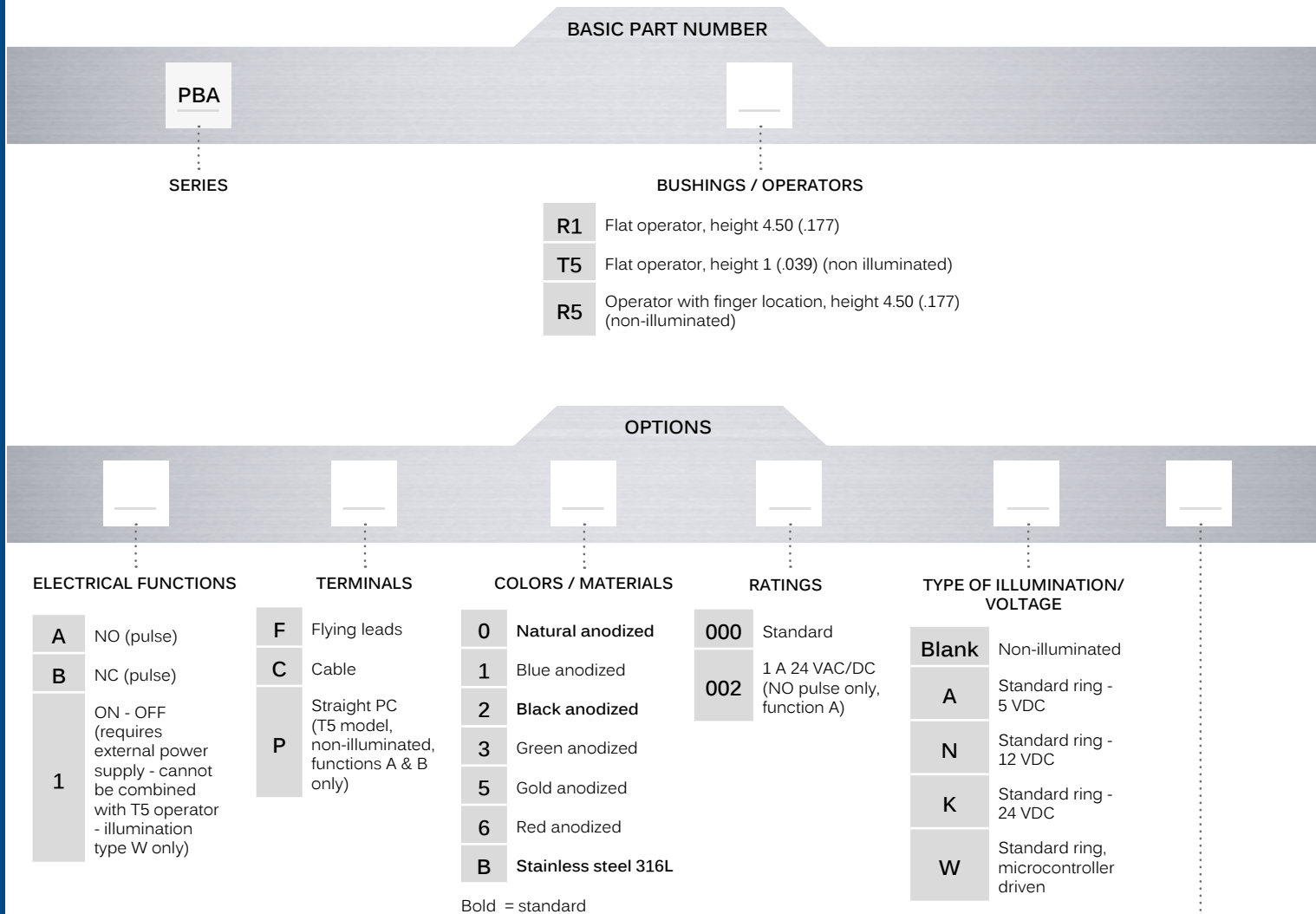
* LED color is indicated by protective resin color on bottom of unit.

PBA series

Piezo switches Ø 16 mm



BUILD YOUR PART NUMBER



LED COLORS

Blank	Non-illum.	2A	Red/green
0B	Blue	2B	Red/yellow
0G	Green	2C	Red/blue
0S	Red	2D	Red/white
0Y	Yellow	2E	Green/blue
0W	White	2F	Green/yellow

LED COLORS (CONTINUED)

2G	Green/white	3A	Red/green/blue	3H	Green/blue/ yellow
2H	Blue/yellow	3B	Red/green/yellow	3I	Green/blue/white
2I	Blue/white	3D	Red/green/white	3J	Green/yellow/ white
2K	Yellow/white	3E	Red/blue/yellow	3K	Blue/yellow/white
		3F	Red/blue/white		
		3G	Red/yellow/white		

For options not listed above, please contact APEM.



ABOUT THIS SERIES

On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.



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



Mounting accessories : standard hardware supplied : 1 hex nut and 1 O-ring.

Always add a ground washer U5735 (Ø16 mm) when the panel is non-conductive (PVC, polycarbonate).

PBA series

Piezo switches Ø 16 mm

Ø16 (.630) - NON-ILLUMINATED OPERATOR HEIGHT 4.50 MM

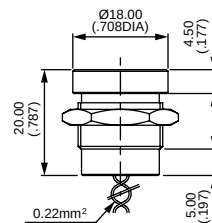


Flat

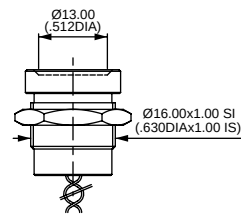
PBAR1

With finger location

PBAR5



R1



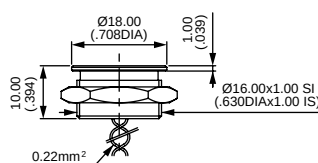
R5

Ø16 (.630) - NON-ILLUMINATED OPERATOR HEIGHT 1 MM



Flat

PBAT5

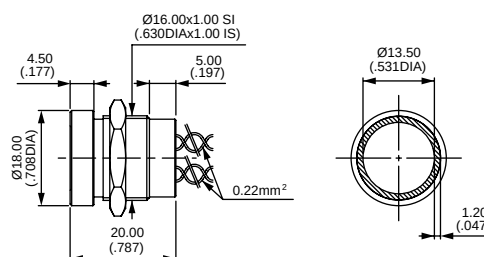


Ø16 (.630) - STANDARD ILLUMINATED RING OPERATOR HEIGHT 4.5 MM



Flat

PBAR1



PBA series

Piezo switches Ø 16 mm

ELECTRICAL FUNCTIONS

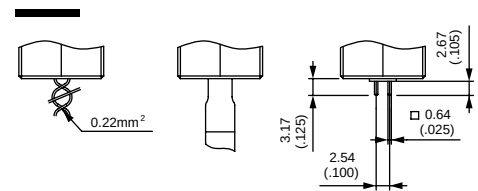


- A NO pulse
- B NC pulse
- 1 ON - OFF - Requires external power supply - Cannot be combined with T5 operator - Illumination type W only.

TERMINALS



- F Flying leads
- C Cable
- P Straight PC (T5 model, non-illuminated, functions A and B only)



CASE COLORS / MATERIALS



- 0 Natural anodized aluminum
- 1 Blue anodized aluminum
- 2 **Black anodised aluminum**
- 3 Green anodized aluminum
- 5 Gold anodized aluminum
- 6 Red anodised aluminum
- B **Stainless steel 316L**

Bold = standard



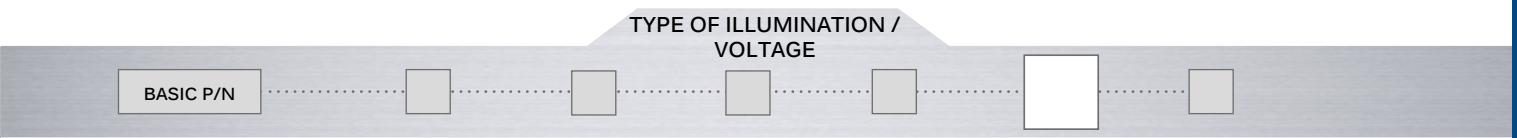
RATINGS



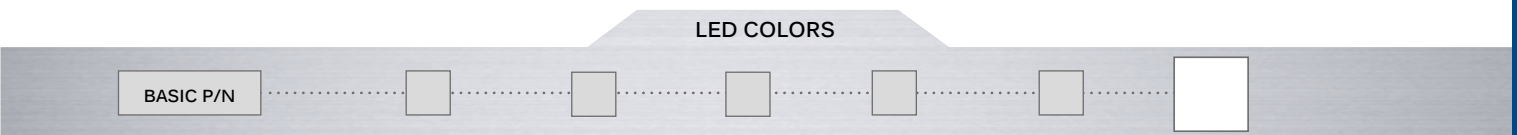
- 000 Standard
- 002 1 A 24 VAC or DC (NO pulse only, function A)

PBA series

Piezo switches Ø 16 mm



Blank	Non-illuminated
A	Thin ring - 5 VDC
N	Thin ring - 12 VDC
K	Thin ring - 24 VDC
W	Thin ring - μ controller driven



Blank Non-illuminated

Integrated LED resistor

Illuminated 1 LED *

0B : blue - **0G** : green - **0S** : red - **0Y** : yellow - **0W** : white

Illuminated 2 LEDs

2A : red/green - **2B** : red/yellow - **2C** : red/blue - **2D** : red/white - **2E** : green/blue - **2F** : green/yellow - **2G** : green/white
2H : blue/yellow - **2I** : blue/white - **2K** : yellow/white

Illuminated 3 LEDs

3A : red/green/blue - **3B** : red/green/yellow - **3D** : red/green/white - **3E** : red/blue/yellow - **3F** : red/blue/white
3G : red/yellow/white - **3H** : green/blue/yellow - **3I** : green/blue/white - **3J** : green/yellow/white - **3K** : blue/yellow/white

* LED color is indicated by protective resin color on bottom of unit.



0B



0G



0S



0Y



0W

PBA series

Piezo switches Ø 19 mm



DISTINCTIVE FEATURES

Bushing diameter 16 (.630), 19 (.748), 22 (.866) or 30 mm (1.181)

Sealed to IP68 and IP69K (switches mounted on panel)

Easy to clean metal surface

Very long life expectancy

Ring illumination



ENVIRONMENTAL SPECIFICATIONS

- Sealing : IP68 per IEC 60529, IP69K per DIN 40050-9 (switches mounted on panel)
- Vibration resistance : 10-500 Hz / 10 g per IEC 60068-2-6
- Operating temperature : -40 °C to +75 °C (-40 °F to + 167 °F)
- EMC compatibility according to EN 61058-1 for the whole range
- EMC compatibility according to EN 61000-4 & EN61000-6-2 for model 1A (code 002)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - Function A : standard 200 mA 24 VAC/DC - option 1 A 24 VAC/DC
 - Function B : standard 100 mA 24 VAC/DC
- Switch resistance ON : 10 Ω max.
- Switch resistance OFF : 5 MΩ min.
- Life expectancy : 50 million cycles
- LED consumption : Illuminated dot 10 mA - Illuminated ring 20 mA (functions A-B-C)
- Power consumption for function 1 :
 - non-illuminated 10 mA - illuminated 30 mA



GENERAL SPECIFICATIONS

- Operating force : 2 to 6 N
- Torque : 2.5 Nm min. - 3 Nm max.

The company reserves the right to change specifications without notice.



PBA series

Piezo switches Ø 19 mm



MATERIALS

- Case : aluminum, anodized or stainless steel 316L
- Multi-wire leads section 0.22 mm² length 300 mm, twisted by pair
- Cable, length 300 mm, section depending on switch model
- PC terminals : bronze, tin plated

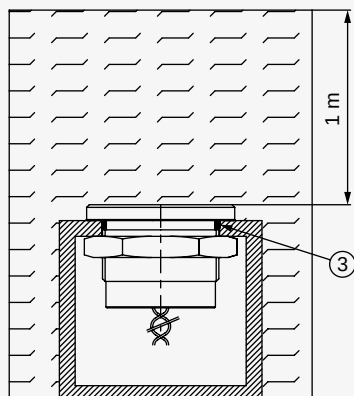
APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

Note : to maintain the ESD performance, always add a ground washer when the panel is made of non-conductive material (PVC, polycarbonate).
For part numbers, see "Mounting accessories" on the following pages.



SEALING

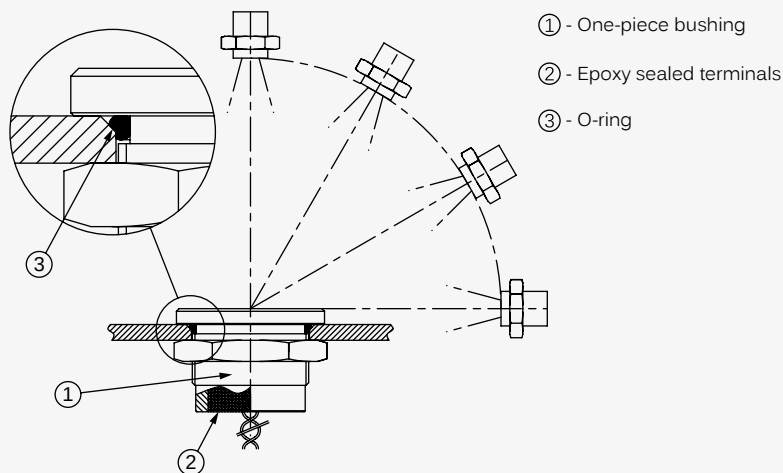
SEALING IP68



Continuous immersion in water IP68 test conditions

Continuous immersion in water
(1 m, 24 hours)

SEALING IP69K



- ① - One-piece bushing
- ② - Epoxy sealed terminals
- ③ - O-ring

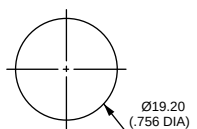
High pressure, high temperature wash down IP69K test conditions

- . Pressure : 80 - 120 bars
- . Distance : 15 cm
- . Temperature : 80 °C ± 5 °C (176 °F ± 41 °F)
- . Flow : 14 - 16 l/mn
- . Duration : 30 seconds per position



PANEL CUT-OUT

MODELS Ø19 (.748)

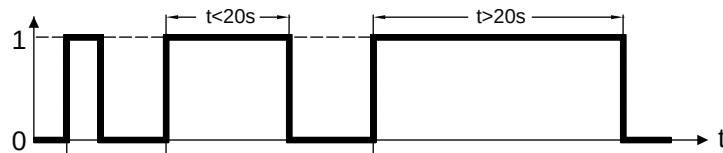




ELECTRICAL FUNCTIONS

FINGER PRESSURE APPLIED TO SWITCH

1 : pressure / 0 : no pressure

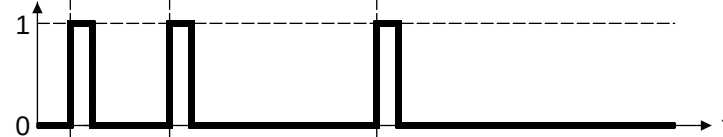


OUTPUT

1 : closed output / 0 : open output

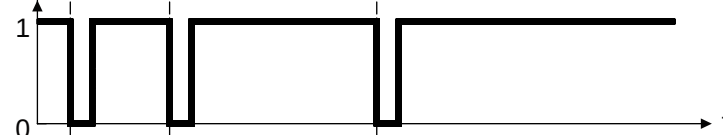
Momentary NO (pulse)

No external power supply required



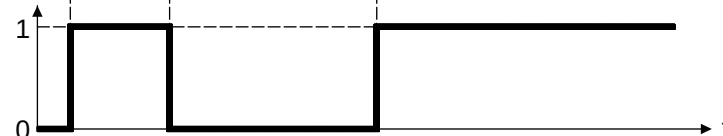
Momentary NC (pulse)

No external power supply required



Latching (ON - OFF)

Requires external power supply



WIRING DIAGRAMS

	Non-illuminated	1 LED *	2 LEDs	3 LEDs
Momentary NO				
Momentary NC				
Latching (ON - OFF)				

Legend : C : yellow, D : blue, B : black, A : same color as LED

* LED color is indicated by protective resin color on bottom of unit.

PBA series

Piezo switches Ø 19 mm

BUILD YOUR PART NUMBER

</

PBA series

Piezo switches Ø 19 mm

CASE COLORS / MATERIALS

BASIC P/N

- 0 Natural anodized aluminum
- 1 Blue anodized aluminum
- 2 **Black anodised aluminum**
- 3 Green anodized aluminum
- 5 Gold anodized aluminum
- 6 Red anodised aluminum
- B **Stainless steel 316L**

Bold = standard



RATINGS

BASIC P/N

- 000 Standard
- 002 1 A 24 VAC or DC (NO pulse only, function A)

TYPE OF ILLUMINATION / VOLTAGE

BASIC P/N

I

- Blank Non-illuminated
- A Thin ring - 5 VDC
- N Thin ring - 12 VDC
- K Thin ring - 24 VDC
- W Thin ring - µcontroller driven

PBA series

Piezo switches Ø 19 mm

Ø19 (.748) - NON-ILLUMINATED OPERATOR HEIGHT 3 MM



Flat

PBAR9

With chamfer

PBARA

Wire colors : see "Wiring diagrams".

Ø19 (.748) - ILLUMINATED RING OPERATOR HEIGHT 3 MM



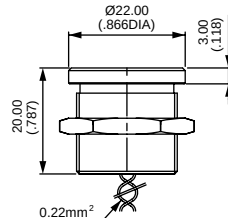
Flat

PBAR9

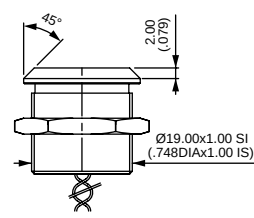
With chamfer

PBARA

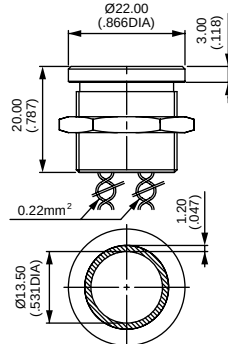
Wire colors : see "Wiring diagrams".



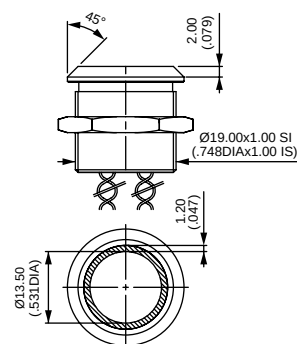
R9



RA



R9



RA

ELECTRICAL FUNCTIONS

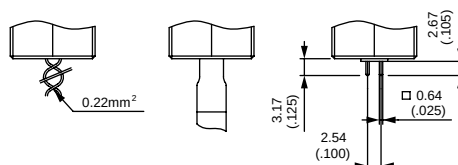
BASIC P/N

- A NO pulse
- B NC pulse
- 1 ON - OFF - Requires external power supply - Cannot be combined with T5 operator - Illumination type W only.

TERMINALS

BASIC P/N

- F Flying leads
- C Cable
- P Straight PC (T5 model, non-illuminated, functions A and B only)



PBA series

Piezo switches Ø 22 mm



DISTINCTIVE FEATURES

Bushing diameter 16 (.630), 19 (.748), 22 (.866) or 30 mm (1.181)

Sealed to IP68 and IP69K (switches mounted on panel)

Easy to clean metal surface

Very long life expectancy

Ring or dot illumination



ENVIRONMENTAL SPECIFICATIONS

- Sealing : IP68 per IEC 60529, IP69K per DIN 40050-9 (switches mounted on panel)
- Vibration resistance : 10-500 Hz / 10 g per IEC 60068-2-6
- Operating temperature : -40 °C to +75 °C (-40 °F to + 167 °F)
- EMC compatibility according to EN 61058-1 for the whole range
- EMC compatibility according to EN 61000-4 & EN61000-6-2 for model 1A (code 002)
- Extreme thermal shock may briefly trigger the switch



ELECTRICAL SPECIFICATIONS

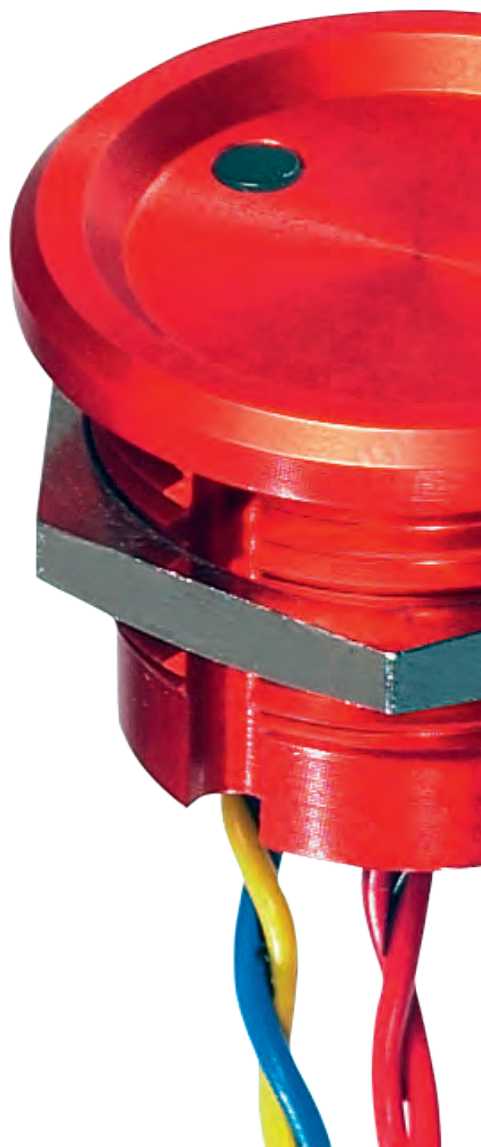
- Max. current/voltage rating with resistive load :
 - Function A : standard 200 mA 24 VAC/DC - option 1 A 24 VAC/DC
 - Function B : standard 100 mA 24 VAC/DC
- Switch resistance ON : 10 Ω max.
- Switch resistance OFF : 5 MΩ min.
- Life expectancy : 50 million cycles
- LED consumption : Illuminated dot 10 mA max.
Illuminated ring 20 mA max. (functions A-B)
- Power consumption for function 1 :
non-illuminated 10 mA - illuminated 30 mA



GENERAL SPECIFICATIONS

- Operating force : 2 to 6 N
- Torque : 2.5 Nm min. - 3 Nm max.

The company reserves the right to change specifications without notice.



PBA series

Piezo switches Ø 22 mm



MATERIALS

- Case : aluminum, anodized or stainless steel 316L
- Multi-wire leads section 0.22 mm² length 300 mm, twisted by pair
- Cable, length 300 mm, section depending on switch model
- PC terminals : bronze, tin plated

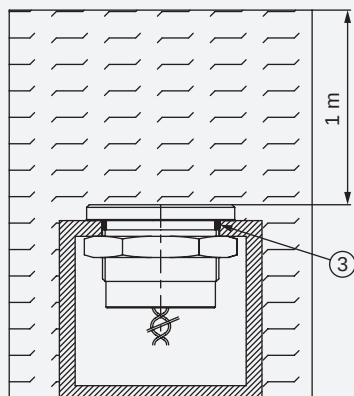
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Note : to maintain the ESD performance, always add a ground washer when the panel is made of non-conductive material (PVC, polycarbonate).
For part numbers, see "Mounting accessories" on the following pages.



SEALING

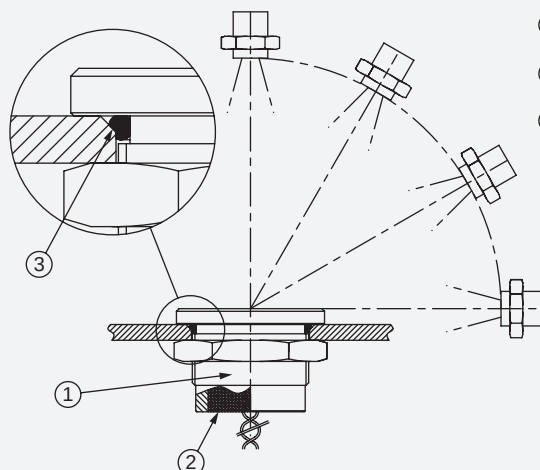
SEALING IP68



Continuous immersion in water IP68 test conditions

Continuous immersion in water
(1 m, 24 hours)

SEALING IP69K



- ① - One-piece bushing
- ② - Epoxy sealed terminals
- ③ - O-ring

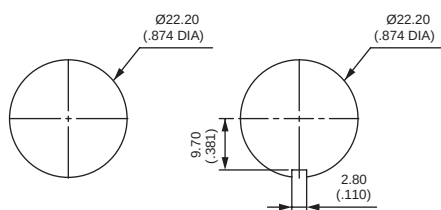
High pressure, high temperature wash down IP69K test conditions

- . Pressure : 80 - 120 bars
- . Distance : 15 cm
- . Temperature : 80 °C ± 5 °C (176 °F ± 41 °F)
- . Flow : 14 - 16 l/mn
- . Duration : 30 seconds per position



PANEL CUT-OUT

MODELS Ø22 (.866)

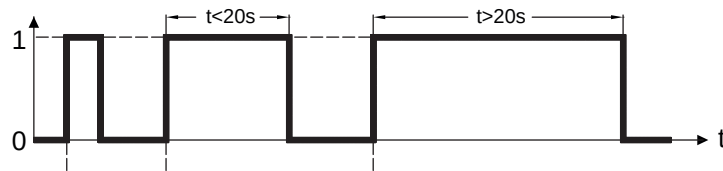




ELECTRICAL FUNCTIONS

FINGER PRESSURE APPLIED TO SWITCH

1 : pressure / 0 : no pressure

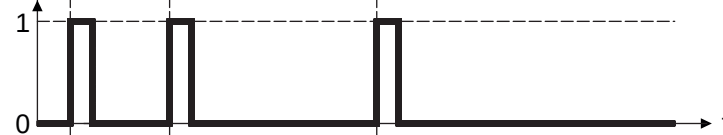


OUTPUT

1 : closed output / 0 : open output

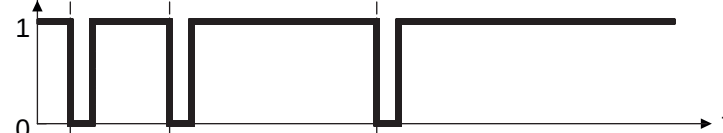
Momentary NO (pulse)

No external power supply required



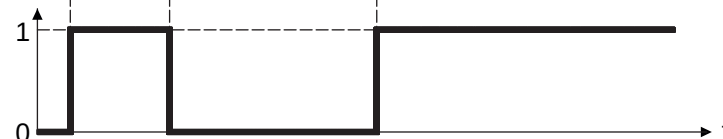
Momentary NC (pulse)

No external power supply required



Latching (ON - OFF)

Requires external power supply



WIRING DIAGRAMS

	Non-illuminated	1 LED *	2 LEDs	3 LEDs
Momentary NO				
Momentary NC				
Latching (ON - OFF)				

Legend : C : yellow, D : blue, B : black, A : same color as LED

* LED color is indicated by protective resin color on bottom of unit.

Piezo switches Ø 22 mm

LED COLORS (CONTINUED)

3H	Green/blue/ yellow
3I	Green/blue/white
3J	Green/yellow/ white
3K	Blue/yellow/white



-  **Notice** : please note that not all combinations of above numbers are available. Refer to the following pages for further information.
-  **Mounting accessories** : standard hardware supplied : 1 hex nut 10-856-0 (25 mm ac. flats) and 1 O-ring
Always add a ground washer U5737 when the panel is non-conductive (PVC, polycarbonate).

PBA series

Piezo switches Ø 22 mm

NON-ILLUMINATED OPERATOR HEIGHT 3 MM



Flat

PBAR2

With finger location

PBAR6

WITH ILLUMINATED DOT OPERATOR HEIGHT 3 MM



Flat

PBAR2

With finger location

PBAR6

WITH THIN ILLUMINATED RING OPERATOR HEIGHT 4.50



Flat

PBARZ

With chamfer

PBARY

WITH LARGE ILLUMINATED RING OPERATOR HEIGHT 4.50

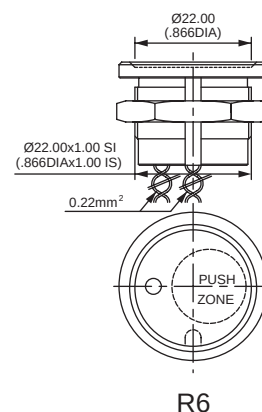
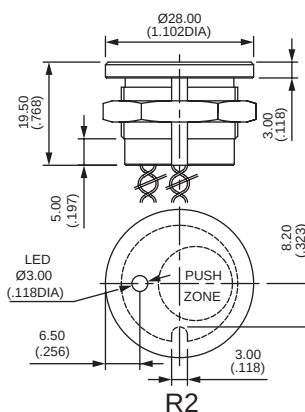
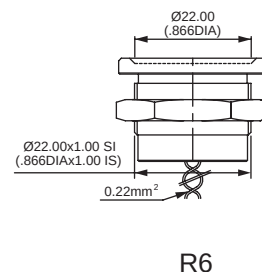
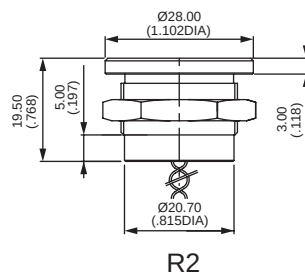


Flat

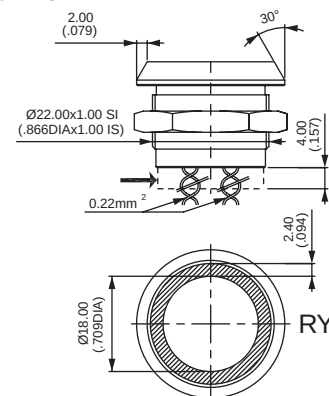
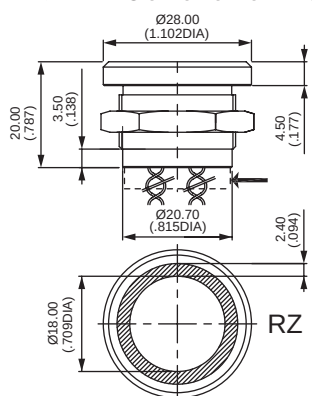
PBARZ

With chamfer

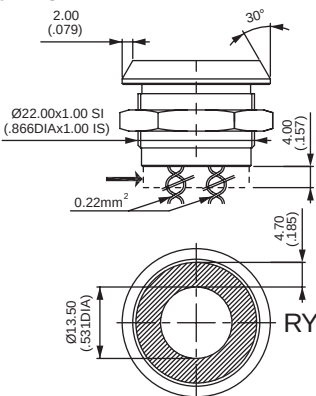
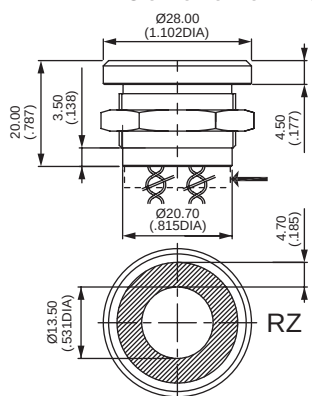
PBARY



→ DIMENSION OF ON-OFF MODELS



→ DIMENSION OF ON-OFF MODELS



PBA series

Piezo switches Ø 22 mm

ELECTRICAL FUNCTIONS

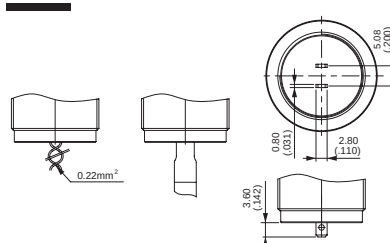


- A NO pulse
- B NC pulse
- 1 ON - OFF - Requires external power supply - Illumination types V, Y and Z only - one LED color only.

TERMINALS



- F Flying leads
- C Cable



CASE COLORS / MATERIALS



- 0 Natural anodized aluminum
- 1 Blue anodized aluminum
- 2 **Black anodised aluminum**
- 3 Green anodized aluminum
- 5 Gold anodized aluminum
- 6 Red anodised aluminum
- B **Stainless steel 316L**

Bold = standard



0

1

2

3

5

6

B

RATINGS



- 000 Standard
- 002 1 A 24 VAC or DC (NO pulse only, function A)

PBA series

Piezo switches Ø 22 mm

TYPE OF ILLUMINATION / VOLTAGE



Blank Non-illuminated



C Thin ring - 5 VDC
D Thin ring - 12 VDC
E Thin ring - 24 VDC
Y Thin ring - μ controller driven



F Large ring - 5 VDC
G Large ring - 12 VDC
H Large ring - 24 VDC
Z Large ring - μ controller driven



L Dot - 5 VDC
P Dot - 12 VDC
J Dot - 24 VDC
V Dot - μ controller driven

⚠ Dot illumination only available with LED colors : 0B, 0G, 0S, 0Y, 0W and SG.

LED COLORS



Blank Non-illuminated

Integrated LED resistor

Illuminated 1 LED *

0B : blue - **0G** : green - **0S** : red - **0Y** : yellow - **0W** : white
SG : red/green (reversed polarity LED - for dot illumination only)

Illuminated 2 LEDs

2A : red/green - **2B** : red/yellow - **2C** : red/blue - **2D** : red/white - **2E** : green/blue - **2F** : green/yellow - **2G** : green/white
2H : blue/yellow - **2I** : blue/white - **2K** : yellow/white

Illuminated 3 LEDs

3A : red/green/blue - **3B** : red/green/yellow - **3D** : red/green/white - **3E** : red/blue/yellow - **3F** : red/blue/white
3G : red/yellow/white - **3H** : green/blue/yellow - **3I** : green/blue/white - **3J** : green/yellow/white - **3K** : blue/yellow/white

* LED color is indicated by protective resin color on bottom of unit.



0B



0G



0S



0Y



0W



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 08918 Badalona (Barcelona)
 SPAIN
 comercial@ermec.com
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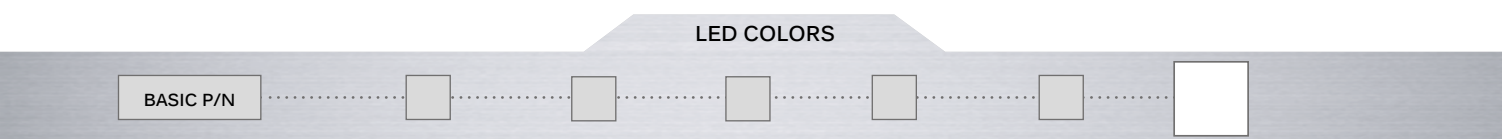
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 Tel. (+34) 918 285 651
 madrid@ermec.com

ERMEC BILBAO
 Tel. (+34) 946 455 054
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ERMEC PORTUGAL
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PBA series

Piezo switches Ø 19 mm



Blank Non-illuminated

Integrated LED resistor

Illuminated 1 LED *

0B : blue - **0G** : green - **0S** : red - **0Y** : yellow - **0W** : white

Illuminated 2 LEDs

2A : red/green - **2B** : red/yellow - **2C** : red/blue - **2D** : red/white - **2E** : green/blue - **2F** : green/yellow - **2G** : green/white
2H : blue/yellow - **2I** : blue/white - **2K** : yellow/white

Illuminated 3 LEDs

3A : red/green/blue - **3B** : red/green/yellow - **3D** : red/green/white - **3E** : red/blue/yellow - **3F** : red/blue/white
3G : red/yellow/white - **3H** : green/blue/yellow - **3I** : green/blue/white - **3J** : green/yellow/white - **3K** : blue/yellow/white

* LED color is indicated by protective resin color on bottom of unit.



0B



0G



0S



0Y



0W

PBA series

Piezo switches Ø 30 mm



DISTINCTIVE FEATURES

Bushing diameter 16 (.630), 19 (.748), 22 (.866) or 30 mm (1.181)

Sealed to IP68 and IP69K (switches mounted on panel)

Easy to clean metal surface

Very long life expectancy

Ring illumination: flush or prominent ring



ENVIRONMENTAL SPECIFICATIONS

- Sealing : IP68 per IEC 60529, IP69K per DIN 40050-9 (switches mounted on panel)
- Operating temperature : -40 °C to +75 °C (-40 °F to + 167 °F)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load : 1 A 24 VAC/DC
- Switch resistance ON : 10 Ω max.
- Switch resistance OFF : 5 MΩ min.
- Life expectancy : 50 million cycles
- LED consumption : 20 mA max.



GENERAL SPECIFICATIONS

- Operating force : 6 to 12 N
- Torque : 1.5 Nm min. - 10 Nm max.



MATERIALS

- Case : aluminum, anodized or stainless steel 316L
- Multi-wire leads section 0.22 mm² length 300 mm, twisted by pair
- Cable, length 300 mm, section depending on switch model

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

Note : to maintain the ESD performance, always add a ground washer when the panel is made of non-conductive material (PVC, polycarbonate). For part numbers, see "Mounting accessories" on the following pages.

The company reserves the right to change specifications without notice.



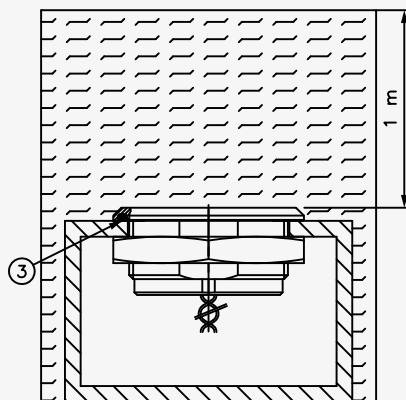
PBA series

Piezo switches Ø 30 mm



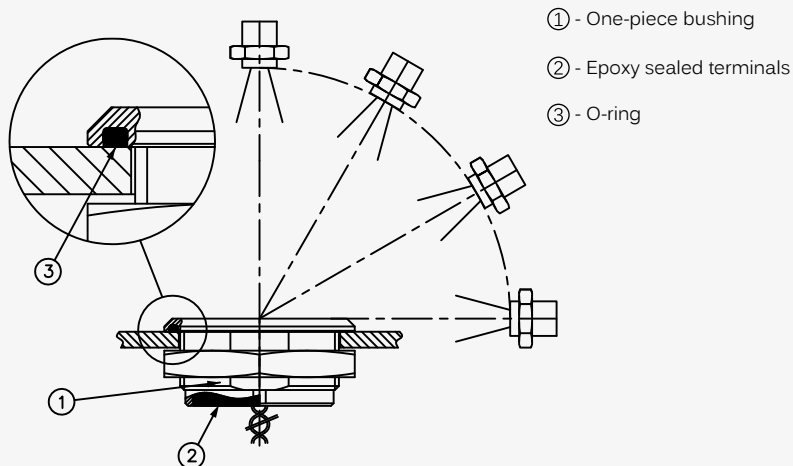
SEALING

SEALING IP68



Continuous immersion in water
IP68 test conditions
 Continuous immersion in water
 (1 m, 24 hours)

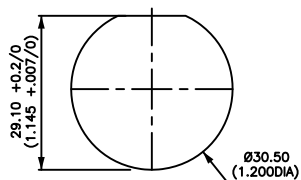
SEALING IP69K



High pressure, high temperature wash down
IP69K test conditions
 . Pressure : 80 - 120 bars
 . Distance : 15 cm
 . Temperature : 80 °C ± 5 °C (176 °F ± 41 °F)
 . Flow : 14 - 16 l/mn
 . Duration : 30 seconds per position



PANEL CUT-OUT



PBA series

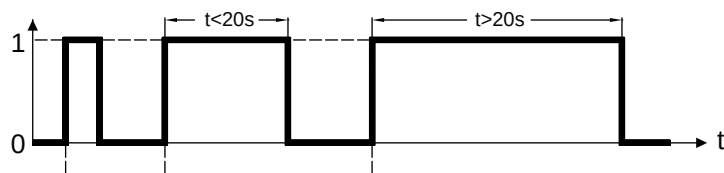
Piezo switches Ø 30 mm



ELECTRICAL FUNCTIONS

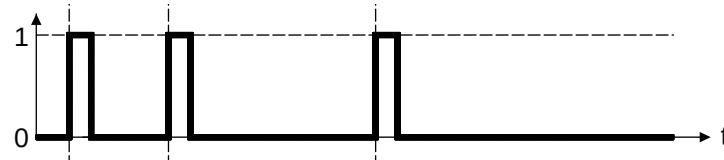
FINGER PRESSURE APPLIED TO SWITCH

1 : pressure / 0 : no pressure



OUTPUT

1 : closed output / 0 : open output



Momentary NO (pulse)

No external power supply required



WIRING DIAGRAMS

	Non-illuminated	1 LED *	2 LEDs	3 LEDs
Momentary NO				
Legend : C : yellow, D : blue, B : black , A : same color as LED			* LED color is indicated by the bottom of the product.	

Piezo switches Ø 30 mm



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

🔧 **Mounting accessories** : standard hardware supplied : 1 hex nut U6730 (36 mm ac. flats) and 1 O-ring. Always add a ground washer U7340 when the panel is non-conductive (PVC, polycarbonate).

PBA series

Piezo switches Ø 30 mm

NON-ILLUMINATED OPERATOR HEIGHT 2.50 MM (.098)



PBAM1

FLUSH ILLUMINATED RING OPERATOR HEIGHT 2.50 MM (.098)



Translucent ring

PBAM2

Colored ring

PBAM3

PROMINENT ILLUMINATED RING OPERATOR HEIGHT 5.50 MM (.216)



Translucent ring

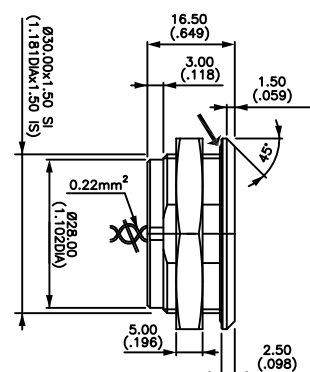
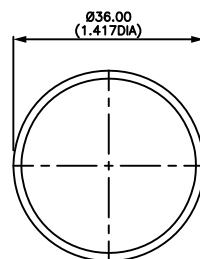
PBAM4

Colored ring

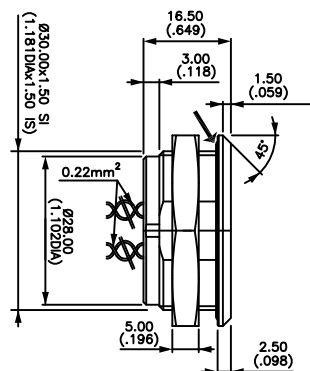
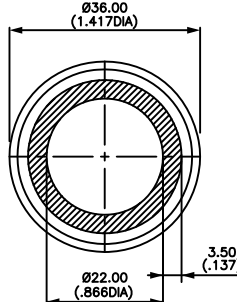
PBAM5

Wire colors : see "Wiring diagrams".

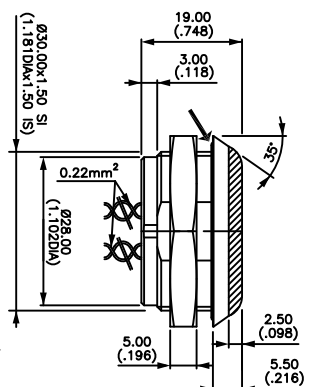
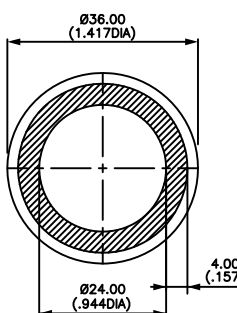
→ O-RING



→ O-RING



→ O-RING



ELECTRICAL FUNCTION

BASIC P/N

A NO pulse

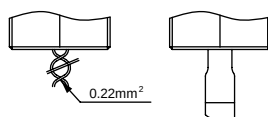
PBA series

Piezo switches Ø 30 mm

TERMINALS



- F Flying leads
C Cable



CASE COLORS / MATERIALS



- | | | | |
|---|--------------------------------|---|------------------------|
| 0 | Natural anodized aluminum | 5 | Gold anodized aluminum |
| 1 | Blue anodized aluminum | 6 | Red anodised aluminum |
| 2 | Black anodised aluminum | B | Stainless steel 316L |
| 3 | Green anodized aluminum | | Bold = standard |

RATINGS



002 1 A 24 VAC or DC

LED VOLTAGE



- Blank Non-illuminated
C 5 VDC
D 12 VDC
E 24 VDC

LED COLORS



Blank Non-illuminated

Integrated LED resistor

Illuminated 1 LED *

0B : blue - 0G : green - 0S : red - 0Y : yellow - 0W : white

Illuminated 2 LEDs (with translucent ring)

2A : red/green - 2B : red/yellow - 2C : red/blue - 2D : red/white - 2E : green/blue - 2F : green/yellow - 2G : green/white
2H : blue/yellow - 2I : blue/white - 2K : yellow/white

Illuminated 3 LEDs (with translucent ring)

3A : red/green/blue - 3B : red/green/yellow - 3D : red/green/white - 3E : red/blue/yellow - 3F : red/blue/white
3G : red/yellow/white - 3H : green/blue/yellow - 3I : green/blue/white - 3J : green/yellow/white - 3K : blue/yellow/white

* LED color is indicated by protective resin color on bottom of unit.