

PULSANTI PIEZO

PIEZO SWITCHES | POUSSOIRS PIEZO



PARTNERS



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PULSANTE PIEZO Ø 16, 19, 22 mm

 Ø 16, 19, 22 Piezo switches | *Poussoir Piezo Ø 16, 19, 22*
PULSANTE PIEZO LUMINOSO Ø 16, 19, 22 mm

 Ø 16, 19, 22 Illuminated piezo switches | *Poussoir Piezo Ø 16, 19, 22 lumineux*

INFORMAZIONI GENERALI General Information | *Informations Générales*
DESCRIZIONE PRODOTTO

Gli interruttori PBA piezo sono basati sul principio della piezoelettricità. L'effetto piezoelettrico è la capacità di alcuni materiali di generare un potenziale elettrico derivante da uno stress meccanico applicato. L'effetto piezoelettrico è anche reversibile: quando applicato un campo elettrico, viene generata una tensione. Questa tecnologia è alla base di molte applicazioni sofisticate come allineamento di specchio laser, iniettore di benzina e detector sottomarini a ultrasuoni.

Negli interruttori piezo della Apem, una forza applicata sulla superficie dell'interruttore si trasmette al disco piezo generando un impulso elettrico. Questo segnale è trasformato in un finale elettrico attraverso un circuito elettronico personalizzabile. La durata del segnale elettrico dipende dalla velocità, forza e durata del comando. L'uscita dell'interruttore resta chiusa per una certa durata dell'impulso che dipende dalla funzione elettrica scelta.

VANTAGGI:

Gli interruttori piezo APEM si basano su un'uscita allo stato solido garantendo così una lunga durata (oltre 50 milioni di manovre) ideali per applicazioni esigenti in cui l'affidabilità è più importante. La superficie piatta del tasto è totalmente chiusa, prevenendo così l'ingresso di liquidi o altre sostanze contaminanti, perfetta per superfici lavabili nelle industrie medicale e alimentari. L'elevata performance di tenuta stagna (IP68 e IP69K) è garantita dalla costruzione a pezzo unico dell'interruttore. Non necessitano alimentazione esterna. La costruzione del corpo metallico filettato e l'integrazione verticale della APEM offrono al costruttore una vasta scelta nelle forme.

PRODUCT DESCRIPTION

PBA piezo switches are based on the principle of piezoelectricity. The piezoelectric effect is the ability of some materials to generate an electric potential in response to an applied mechanical stress. The piezoelectric effect is also reversible; when an electric field is applied, a strain is produced. This technology is at the core of many high-end applications, including laser mirror alignment, fuel injectors and ultrasonic submarine detectors. In APEM piezo switches, a force applied to the switch surface transfers to the piezo disk creating an electrical pulse. This electrical signal is converted to an expected electrical output through a customizable electronic circuit. The duration of the electrical signal depends on the speed, force and duration of actuation. The output of the switch is closed for a specified pulse duration depending on the electrical function chosen.

ADVANTAGES

APEM piezo switches are based on a solid-state output allowing for a very long life expectancy (more than 50 millions cycles), ideal for demanding applications where reliability is most important. The flat actuation surface is completely closed, preventing the intrusion of liquids or other contaminants, perfect for surface cleaning required in the medical and food-processing industries. High performance sealing (IP68 and IP69K) is achieved due to the one-piece construction of the switch. No external power supply is required. The screw-machined metal housing construction and APEM's vertical integration allow for the manufacture of a variety of shapes.

DESCRIPTION DU PRODUIT

Les interrupteurs à technologie piézo série PBA sont basés sur le principe de piézoélectricité. L'effet piézoélectrique est la capacité pour quelques matériels de produire un potentiel électrique découlant d'un pic mécanique appliqué. L'effet piézoélectrique est également réversible : quand un champ électrique est appliqué, une tension est générée. Cette technologie est au cœur de beaucoup d'applications haut de gamme, comme l'alignement de miroir laser, des injecteurs de carburant et des détecteurs de sous-marins à ultrasons. Dans les interrupteurs à technologie piézo de APEM, une force appliquée sur la surface de l'interrupteur se transmet au disque piezo engendrant une impulsion électrique.

Ce signal est transformé en une production électrique à travers un circuit électronique personnalisable. La durée du signal électrique dépend de la vitesse, de la force et de la durée d'appui. La sortie de l'interrupteur reste fermée pour une certaine durée d'impulsion qui dépend de la fonction électrique choisie.

AVANTAGES

Les interrupteurs à technologie piézo de APEM se basent sur une sortie à l'état solide garantissant une durée de vie plus longue (plus de 50 millions de cycles). Ils sont idéals pour des applications exigeantes où la fiabilité est plus importante. La surface plate du bouton est complètement fermée, empêchant ainsi l'intrusion de liquides ou autres substances contaminantes, parfaite pour des surfaces lavables dans les industries médicales et agroalimentaires. La haute performance d'étanchéité (IP68 et IP69K) est garantie par la construction d'une pièce unique de l'interrupteur. Aucune alimentation électrique externe n'est exigée. La construction du corps métallique décollé et l'intégration verticale de APEM offrent au constructeur une grande variété de formes.

VANTAGGI Advantages | *Avantages*

- **IP69K**
IP69K | *IP69K*
- **IP68 posteriore**
IP68 in rear side | *IP68 postérieur*
- **Numero manovre**
Number of cycles | *Nombre de cycles*
- **Resistenza alle vibrazioni**
Vibration resistance | *Résistance aux vibrations*
- **Nessuna parte meccanica in movimento**
No mechanical parts
Aucune partie mécanique en mouvement

APPLICAZIONI Applications | *Applications*

- **Nautico**
Marine | *Marine*
- **Medicale**
Medical | *Médicale*
- **Alimentare**
Food-Processing Industry | *Alimentaire*
- **Distribuzione automatica**
Vending Machines | *Distributeurs automatiques*
- **Miniere**
Mining | *Minière*
- **Controllo del traffico**
Traffic Control
Signalisation routière
- **Automazione**
Automation | *Automatisation*
- **Home automation**
Home Automation | *Domotique*
- **Bellezza, idromassaggi, beauty center, Spa**
Bath, Beauty Centers And Spa
Balnéothérapie, hydromassage, beauté, SPA

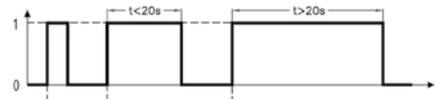
STRUTTURA DEL CODICE | Code structure | Structure du code

Serie Series Série	Attuatore Actuator Bouton	Funzione Function Fonction	Contatti Contacts Contacts	Colore Colour Couleur	Corrente Current Courant	Led Led Led	Colore led Led colour Couleur led	Atex Atex Atex
PBA	R1	A	F	0	0	N	OB	X
PBA	R1 = sporgente 4,5 mm T5 = sporgente 1,0 mm R9 = piano 3 mm RA = smussatura 3 mm R2 = piano 3 mm RZ = sporgente 4,5 mm	A = NO (pulse)	F = cavetti	0 = anodizzato naturale 2 = anodizzato nero 3 = anodizzato verde 6 = anodizzato rosso	000 = 200mA 24Vac/dc	N = anello 12Vdc D = anello sottile 12Vdc G = anello largo 12Vdc P = punto 12Vdc	OB = blu OG = verde OS = rosso OY = giallo OW = bianco	X = Atex

PRESSIONE DIGITALE APPLICATA ALL'INTERRUTTORE

Finger pressure applied to switch | *Pression digitale appliquée à l'interrupteur*

1 = pressione | *pressure* | *pression*
0 = no pressione | *no pressure* | *pas de pression*



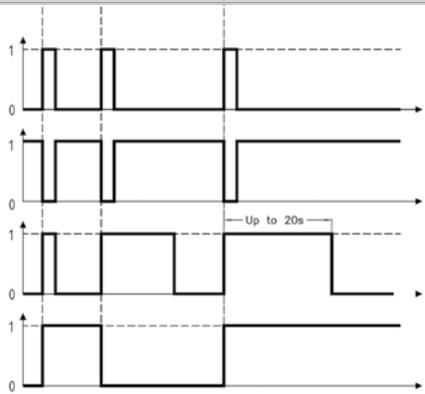
USCITA | Output | Sortie

Momentaneo NA (impulso) Non necessita alimentazione esterna |
Momentary NO (pulse) No external power supply required |
Momentané NO (impulsion) Aucune alimentation externe exigée.

Momentaneo NC (impulso) Non necessita alimentazione esterna |
Momentary NC (pulse) No external power supply required |
Momentané NF (impulsion) Aucune alimentation externe exigée.

Momentaneo NA Impulso prolungato Non necessita alimentazione esterna |
Momentary NO Prolongated pulse No external power supply required |
Momentané NO Impulsion prolongée Aucune alimentation externe exigée.

Stabili (ON-OFF) Richiede alimentazione esterna |
Latching (ON - OFF) Requires external power supply |
Maintenus (ON-OFF) Exige une alimentation externe.



1 = uscita chiusa | *closed output* | *sortie fermée*
0 = uscita aperta | *open output* | *sortie ouverte*

OPZIONI | Option | Options

FORME
 Shapes | *Formes*



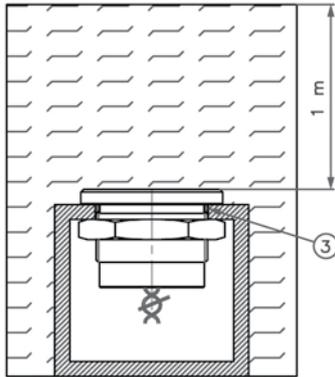
ILLUMINAZIONE
 Illumination | *Eclairage*



SERIGRAFIE
 Marking | *Marquage*



IP68 IP68 | IP68



Immersion continua nell'acqua

Continuous immersion in water
Immersion continue dans l'eau

Condizioni di test IP68

IP68 test conditions
Conditions de test IP68

Immersion continua nell'acqua (1m, 24 ore)

Continuous immersion in water (1m, 24 hours)
Immersion continue dans l'eau (1m, 24 heures)

IP69 IP69 | IP69

1. Corpo a pezzo unico

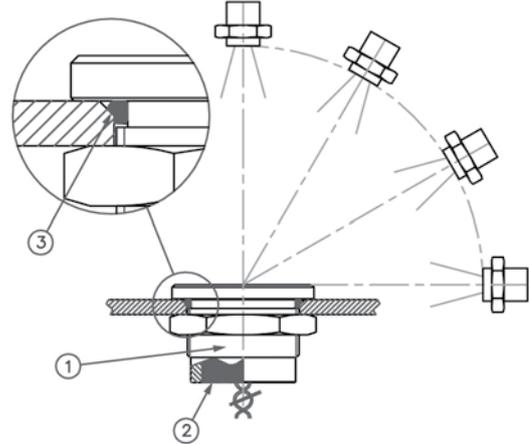
One-piece bushing
Corps composé d'une pièce unique

2. Terminali stagni con resina epossidica

Epoxy sealed terminals
Contacts étanches avec une résine époxyde

3. O-ring

O-ring
Anneau



Getto di alta pressione e temperatura

High pressure, high temperature wash down
Jet de haute pression et de haute température

Condizioni di test IP69K

IP69K test conditions | Conditions de test IP69K

Pressione 80 – 120 bars
Pression | Pression

Distanza 15 cm
Distance | Distance

Temperatura 80°C ± 5°C
Temperature | Température

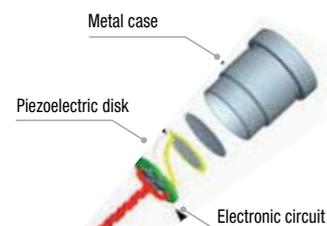
Flusso 14-16 l/mn
Flow | Flux

Durata 30 secondi per posizione
Duration | Durée 30 seconds per position | 30 secondes par position

COLORI
Colours | Couleurs



TERMINALI
Terminals | Contacts



PULSANTI PIEZO

Piezo switches | *Poussoirs Piezo*



PULSANTE PIEZO Ø 16

Ø 16 Piezo switches | *Poussoir Piezo Ø 16*

Corrente / Tensione
200mA / 24VAC-DC

Materiale

Alluminio anodizzato

Contatti

Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro

2 a 6N

Vita

50 milioni di cicli

Temperatura di lavoro

-40°C + 75°C

Grado di protezione

IP 68 - IEC 529

IP69K - DIN 40050-9

Current / Voltage

200mA / 24VAC-DC

Material

Aluminium anodized

Contacts

Flying leads 0,22 mm² -
length 300 mm.

Operating force

2 to 6N

Life expectancy

50 million cycles

Operating temperature

-40°C + 75°C

Sealing

IP 68 - IEC 529

IP69K - DIN 40050-9

Courant / Tension

200mA / 24VAC-DC

Matériau

Aluminium anodisé

Contacts

Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre

2 à 6N

Durée de vie

50 millions de cycles

Température d'utilisation

-40°C + 75°C

Indice de protection

IP 68 - IEC 529

IP69K - DIN 40050-9



Codice Code Code	Colore tasto Actuator colour Couleur bouton
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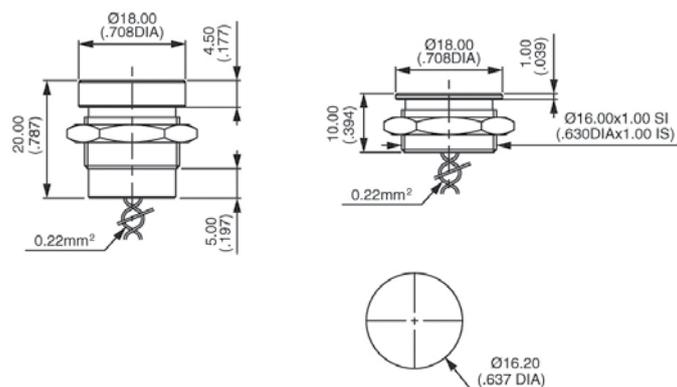
Sporgente | Prominent | Proéminent

PBAR1AF0000	■ natural
PBAR1AF2000	■ black
PBAR1AF6000	■ red
PBAR1AF3000	■ green

Filo pannello | Flush | Ras du panneau

PBAT5AF0000	■ natural
PBAT5AF2000	■ black
PBAT5AF6000	■ red
PBAT5AF3000	■ green

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces

30 giorni
30 days
30 jours

Versione ATEX fornibile su richiesta
ATEX version available upon request
Version ATEX disponible sur demande



PULSANTE PIEZO Ø 16 LUMINOSO

Ø 16 Illuminated piezo switches | *Poussoir Piezo Ø 16 lumineux*

Corrente / Tensione
200mA / 24VAC-DC

Led

20mA - 12VDC

Materiale

Alluminio anodizzato

Contatti

Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro

2 a 6N

Vita

50 milioni di cicli

Temperatura di lavoro

-40°C + 75°C

Grado di protezione

IP 68 - IEC 529

IP69K - DIN 40050-9

Current / Voltage
200mA / 24VAC-DC

Led

20mA - 12VDC

Material

Aluminium anodized

Contacts

Flying leads 0,22 mm² -
length 300 mm.

Operating force

2 to 6N

Life expectancy

50 million cycles

Operating temperature

-40°C + 75°C

Sealing

IP 68 - IEC 529

IP69K - DIN 40050-9

Courant / Tension
200mA / 24VAC-DC

Led

20mA - 12VDC

Matériau

Aluminium anodisé

Contacts

Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre

2 à 6N

Durée de vie

50 millions de cycles

Température d'utilisation

-40°C + 75°C

Indice de protection

IP 68 - IEC 529

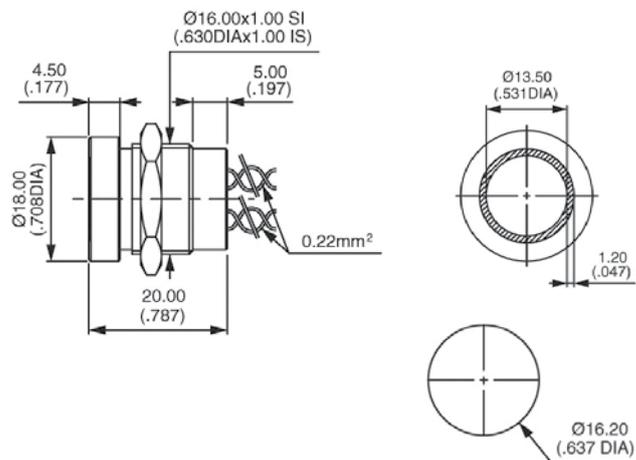
IP69K - DIN 40050-9



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led
------------------------	---	---

PBAR1AF0000NB	■ natural	■ blue
PBAR1AF0000NG	■ natural	■ green
PBAR1AF0000NS	■ natural	■ red
PBAR1AF0000NY	■ natural	■ yellow
PBAR1AF0000NW	■ natural	■ white

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces

30 giorni
30 days
30 jours

Versione ATEX fornibile su richiesta
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PULSANTI PIEZO

Piezo switches | *Poussoirs Piezo*



PULSANTE PIEZO Ø 19

Ø 19 Piezo switches | *Poussoir Piezo Ø 19*

Corrente / Tensione
200mA / 24VAC-DC

Materiale

Alluminio anodizzato

Contatti

Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro
2 a 6N

Vita

50 milioni di cicli

Temperatura di lavoro

-40°C + 75°C

Grado di protezione

IP 68 - IEC 529

IP69K - DIN 40050-9

Current / Voltage

200mA / 24VAC-DC

Material

Aluminium anodized

Contacts

Flying leads 0,22 mm² -
length 300 mm.

Operating force

2 to 6N

Life expectancy

50 million cycles

Operating temperature

-40°C + 75°C

Sealing

IP 68 - IEC 529

IP69K - DIN 40050-9

Courant / Tension

200mA / 24VAC-DC

Matériau

Aluminium anodisé

Contacts

Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre

2 à 6N

Durée de vie

50 millions de cycles

Température d'utilisation

-40°C + 75°C

Indice de protection

IP 68 - IEC 529

IP69K - DIN 40050-9



Codice

Code
Code

Colore tasto

Actuator colour
Couleur bouton

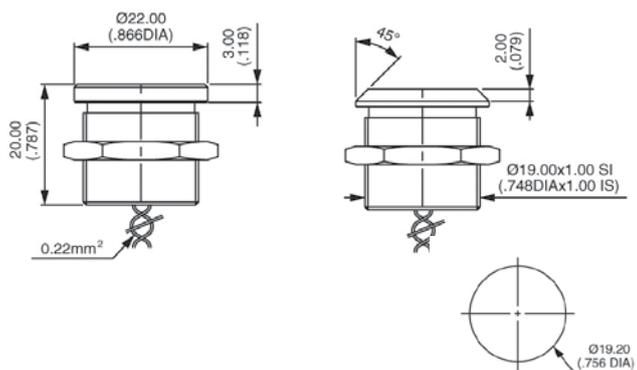
Piano | Flat | Plat

PBAR9AF0000	<input type="checkbox"/> natural
PBAR9AF2000	<input type="checkbox"/> black
PBAR9AF6000	<input type="checkbox"/> red
PBAR9AF3000	<input type="checkbox"/> green

Con smussatura | With chamfer | Avec arrondi

PBARAAF0000	<input type="checkbox"/> natural
PBARAAF2000	<input type="checkbox"/> black
PBARAAF6000	<input type="checkbox"/> red
PBARAAF3000	<input type="checkbox"/> green

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces



30 giorni
30 days
30 jours



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PULSANTE PIEZO Ø 19 LUMINOSO

Ø 19 Illuminated piezo switches | *Poussoir Piezo Ø 19 lumineux*

Corrente / Tensione
200mA / 24VAC-DC

Led

20mA - 12VDC

Materiale

Alluminio anodizzato

Contatti

Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro

2 a 6N

Vita

50 milioni di cicli

Temperatura di lavoro

-40°C + 75°C

Grado di protezione

IP 68 - IEC 529

IP69K - DIN 40050-9

Current / Voltage

200mA / 24VAC-DC

Led

20mA - 12VDC

Material

Aluminium anodized

Contacts

Flying leads 0,22 mm² -
length 300 mm.

Operating force

2 to 6N

Life expectancy

50 million cycles

Operating temperature

-40°C + 75°C

Sealing

IP 68 - IEC 529

IP69K - DIN 40050-9

Courant / Tension

200mA / 24VAC-DC

Led

20mA - 12VDC

Matériau

Aluminium anodisé

Contacts

Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre

2 à 6N

Durée de vie

50 millions de cycles

Température d'utilisation

-40°C + 75°C

Indice de protection

IP 68 - IEC 529

IP69K - DIN 40050-9



Codice

Code
Code

Colore tasto

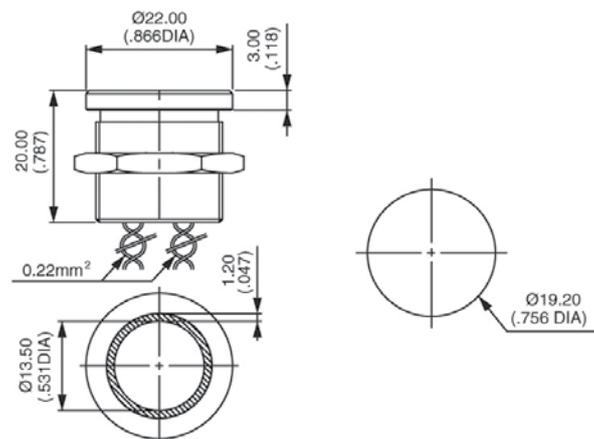
Actuator colour
Couleur bouton

Colore led

Led colour
Couleur led

PBAR9AF0000NB	<input type="checkbox"/> natural	<input type="checkbox"/> blue
PBAR9AF0000NG	<input type="checkbox"/> natural	<input type="checkbox"/> green
PBAR9AF0000NS	<input type="checkbox"/> natural	<input type="checkbox"/> red
PBAR9AF0000NY	<input type="checkbox"/> natural	<input type="checkbox"/> yellow
PBAR9AF0000NW	<input type="checkbox"/> natural	<input type="checkbox"/> white

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces



30 giorni
30 days
30 jours



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PULSANTI PIEZO

Piezo switches | *Poussoirs Piezo*



PULSANTE PIEZO Ø 22

Ø 22 Piezo switches | *Poussoir Piezo Ø 22*

Corrente / Tensione
200mA / 24VAC-DC

Materiale

Alluminio anodizzato

Contatti

Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro
2 a 6N

Vita

50 milioni di cicli

Temperatura di lavoro

-40°C + 75°C

Grado di protezione

IP 68 - IEC 529

IP69K - DIN 40050-9

Current / Voltage

200mA / 24VAC-DC

Material

Aluminium anodized

Contacts

Flying leads 0,22 mm² -
length 300 mm.

Operating force

2 to 6N

Life expectancy

50 million cycles

Operating temperature

-40°C + 75°C

Sealing

IP 68 - IEC 529

IP69K - DIN 40050-9

Courant / Tension

200mA / 24VAC-DC

Matériau

Aluminium anodisé

Contacts

Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre

2 à 6N

Durée de vie

50 millions de cycles

Température d'utilisation

-40°C + 75°C

Indice de protection

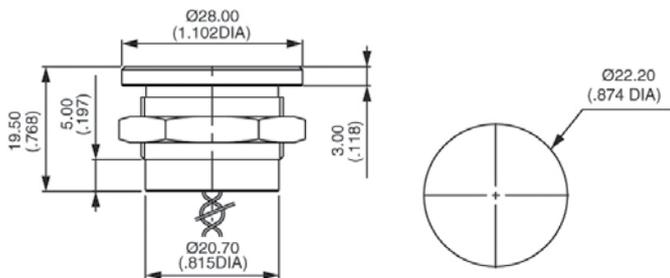
IP 68 - IEC 529

IP69K - DIN 40050-9



Codice Code Code	Colore tasto Actuator colour Couleur bouton
PBAR2AF0000	□ natural
PBAR2AF2000	■ black
PBAR2AF6000	■ red
PBAR2AF3000	■ green

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces



30 giorni
30 days
30 jours



Versione ATEX fornibile su richiesta
ATEX version available upon request
Version ATEX disponible sur demande



PULSANTE PIEZO Ø 22 LUMINOSO CON PUNTO

Ø 22 Illuminated piezo switches with dot | *Poussoir Piezo Ø 22 lumineux avec point*

Corrente / Tensione
200mA / 24VAC-DC

Led

10mA - 12VDC

Materiale

Alluminio anodizzato

Contatti

Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro

2 a 6N

Vita

50 milioni di cicli

Temperatura di lavoro

-40°C + 75°C

Grado di protezione

IP 68 - IEC 529

IP69K - DIN 40050-9

Current / Voltage

200mA / 24VAC-DC

Led

10mA - 12VDC

Material

Aluminium anodized

Contacts

Flying leads 0,22 mm² -
length 300 mm.

Operating force

2 to 6N

Life expectancy

50 million cycles

Operating temperature

-40°C + 75°C

Sealing

IP 68 - IEC 529

IP69K - DIN 40050-9

Courant / Tension

200mA / 24VAC-DC

Led

10mA - 12VDC

Matériau

Aluminium anodisé

Contacts

Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre

2 à 6N

Durée de vie

50 millions de cycles

Température d'utilisation

-40°C + 75°C

Indice de protection

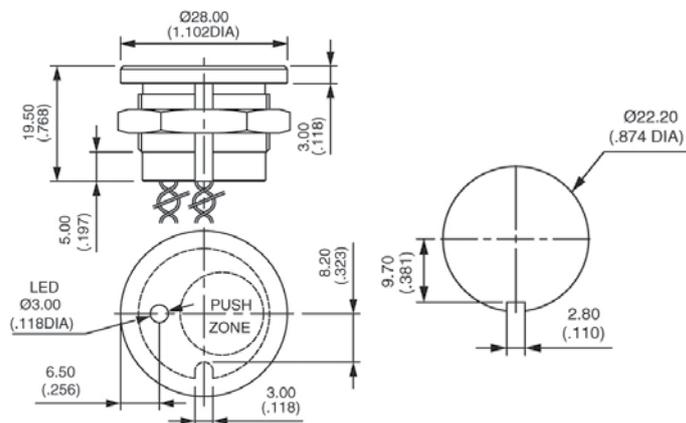
IP 68 - IEC 529

IP69K - DIN 40050-9



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led
PBAR2AF0000P0B	□ natural	■ blue
PBAR2AF0000P0G	□ natural	■ green
PBAR2AF0000P0S	□ natural	■ red
PBAR2AF0000P0Y	□ natural	■ yellow
PBAR2AF0000P0W	□ natural	□ white

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces



30 giorni
30 days
30 jours



Versione ATEX fornibile su richiesta
ATEX version available upon request
Version ATEX disponible sur demande

PULSANTI PIEZO

Piezo switches | *Poussoirs Piezo*



PULSANTE PIEZO Ø 22 LUMINOSO CON ANELLO SOTTILE

Ø 22 Illuminated piezo switches with thin ring | *Poussoir Piezo Ø 22 lumineux avec bague fine*

Corrente / Tensione
200mA / 24VAC-DC

Led
20mA - 12VDC

Materiale
Alluminio anodizzato

Contatti
Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro
2 a 6N

Vita
50 milioni di cicli
Temperatura di lavoro
-40°C + 75°C

Grado di protezione
IP 68 - IEC 529
IP69K - DIN 40050-9

Current / Voltage
200mA / 24VAC-DC

Led
20mA - 12VDC

Materiale
Aluminium anodized

Contacts
Flying leads 0,22 mm² -
length 300 mm.

Operating force
2 to 6N

Life expectancy
50 million cycles
Operating temperature
-40°C + 75°C

Sealing
IP 68 - IEC 529
IP69K - DIN 40050-9

Courant / Tension
200mA / 24VAC-DC

Led
20mA - 12VDC

Matériau
Aluminium anodisé

Contacts
Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre
2 à 6N

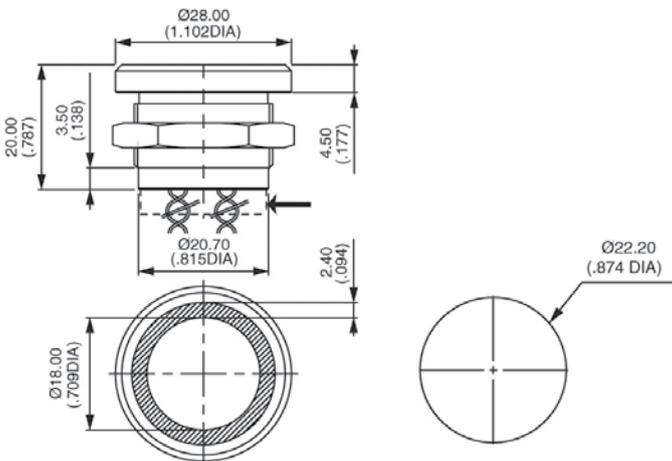
Durée de vie
50 millions de cycles
Température d'utilisation
-40°C + 75°C

Indice de protection
IP 68 - IEC 529
IP69K - DIN 40050-9



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led
PBARZAF0000DOB	■ natural	■ blue
PBARZAF0000DOG	■ natural	■ green
PBARZAF0000DOS	■ natural	■ red
PBARZAF0000DOY	■ natural	■ yellow
PBARZAF0000DOW	■ natural	□

Dimensioni | Dimensions | Dimensions



Versione ATEX fornibile su richiesta
ATEX version available upon request
Version ATEX disponible sur demande



PULSANTE PIEZO Ø 22 LUMINOSO CON ANELLO LARGO

Ø 22 Illuminated piezo switches with large ring | *Poussoir Piezo Ø 22 lumineux avec bague large*

Corrente / Tensione
200mA / 24VAC-DC

Led
20mA - 12VDC

Materiale
Alluminio anodizzato

Contatti
Cavetti 0,22 mm² -
lung. 300 mm.

Pressione di lavoro
2 a 6N

Vita
50 milioni di cicli
Temperatura di lavoro
-40°C + 75°C

Grado di protezione
IP 68 - IEC 529
IP69K - DIN 40050-9

Current / Voltage
200mA / 24VAC-DC

Led
20mA - 12VDC

Materiale
Aluminium anodized

Contacts
Flying leads 0,22 mm² -
length 300 mm.

Operating force
2 to 6N

Life expectancy
50 million cycles
Operating temperature
-40°C + 75°C

Sealing
IP 68 - IEC 529
IP69K - DIN 40050-9

Courant / Tension
200mA / 24VAC-DC

Led
20mA - 12VDC

Matériau
Aluminium anodisé

Contacts
Fils 0,22 mm² -
long. 300 mm.

Force de manœuvre
2 à 6N

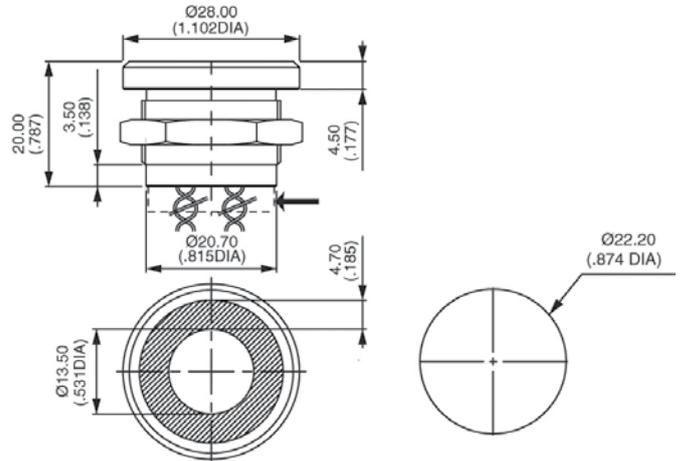
Durée de vie
50 millions de cycles
Température d'utilisation
-40°C + 75°C

Indice de protection
IP 68 - IEC 529
IP69K - DIN 40050-9



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led
PBARZAF0000G0B	■ natural	■ blue
PBARZAF0000G0G	■ natural	■ green
PBARZAF0000G0S	■ natural	■ red
PBARZAF0000G0Y	■ natural	■ yellow
PBARZAF0000G0W	■ natural	□

Dimensioni | Dimensions | Dimensions



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