

➤ Professional

PULSANTI E INTERRUTTORI IP67
IP67 push-buttons and switches
Poussoirs et interrupteurs IP67



INTERRUTTORI ROTONDI E QUADRATI

Round and square switches | Interrupteurs ronds et carrés



PULSANTI ROTONDI E QUADRATI

Round and square push-buttons | Poussoirs ronds et carrés



PULSANTI SNAP-IN

Snap-in push-buttons | Poussoirs à enclenchement



ACCESSORI

Accessories | Accessoires



PULSANTI RETROPANNELLO

Rear mounted push-buttons | Poussoirs montage postérieur panneau



PULSANTI EFFETTO HALL

"HALL EFFECT" switches | Poussoirs effet Hall



SERIE IF Ø 25 mm.

IF series Ø 25 mm. | Serie IF Ø 25 mm.



SERIE IA Ø 16 mm.

IA series Ø 16 mm. | Serie IA Ø 16 mm.



SERIE IRR Ø 16 mm.

IRR series Ø 16 mm. | Serie IRR Ø 16 mm.



PRODUTTORI | Manufacturers | Producteurs



> Professional

PULSANTI E INTERRUTTORI IP67 IP67 push-buttons and switches Poussoirs et interrupteurs IP67

INFORMAZIONI GENERALI

General Information

Informations Générales

■ COMPATTI E LUMINOSI

Il corpo e la cornice sono costituiti da un singolo pezzo di zinco pressofuso e si montano su pannello con foro di 13,6mm di diametro. Il tasto, tondo o quadrato, è efficacemente protetto contro gli shock meccanici. Le versioni luminose sono disponibili con LED ad alta luminosità di diversi colori.

■ SENSAZIONE TATTILE

Il meccanismo del pulsante offre una eccellente sensazione tattile ed un comando molto preciso. È stato progettato anche per applicazioni particolarmente severe (vibrazioni, urti, forti sbalzi di temperatura ed esposizione all'acqua). I contatti sono stati testati per 1.000.000 di manovre.

■ GRADO DI PROTEZIONE IP67

Per tutta la gamma il grado di protezione è a fattore IP67. L'impermeabilità interna del pulsante è assicurata da una membrana elastica. I modelli con i contatti a cavo impermeabili sono adatti a diversi tipi di ambiente.

■ SEMPLICITÀ DI MONTAGGIO

La versione a scatto va incontro alle esigenze dell'utilizzatore grazie al suo montaggio semplice, veloce ed economico. La versione con corpo e cornice in materiale termoplastico permette di ridurre il peso del pulsante del 50% rispetto alle versioni in metallo.

■ COMPACT & ILLUMINATED

The bushing and bezel assembly is made of a single piece of zinc die cast and fits into a 13,6mm (535) panel cut-out. The round or square actuator is efficiently protected against mechanical shocks. The status illumination is available with high brightness LED colours.

■ TACTILE FEEDBACK

The switching mechanism provides excellent tactile sensation, together with very precise actuation and has been designed for severe conditions (shocks, vibrations, high and low temperatures...). The contacts have been tested for 1.000.000 cycles.

■ SEALED TO IP67

For the whole range, the degree of protection is IP67. The internal sealing of the switch is assured by an elastomer membrane. Models with sealed flying lead terminals are suitable for multiple environments.

■ SIMPLIFIED MOUNTING

The snap-in mounting version meets user's requirements owing to its easy, quick and economic assembly. The thermoplastic bushing and bezel assembly allows to achieve a 50% reduction in weight compared to metal models.

■ COMPACTS ET LUMINEUX

L'ensemble (corps et bague) est réalisé en une seule pièce de zinc pour être monté sur un panneau avec un diamètre de perçage de 13,6 mm (535). Le bouton rond ou carré est protégé efficacement contre les chocs mécaniques. Les versions lumineuses sont disponibles avec des leds haute luminosité de différentes couleurs.

■ A EFFET TACTILE

Le mécanisme du poussoir allie une excellente sensation tactile à une grande précision de commande et a été conçu pour des conditions extrêmes (chocs, vibrations, basses températures...). La fiabilité de la commutation est garantie pour 1.000.000 cycles.

■ ETANCHES

Pour toute la gamme, le degré de protection est IP67. Une membrane élastomère assure l'étanchéité intérieure du poussoir. Les modèles avec sorties étanches à fil ont un mode de raccordement adaptable à des environnements multiples.

■ MONTAGE SIMPLIFIÉ

Par son efficacité et sa rapidité, le montage par encliquetage répond aux attentes des utilisateurs. Les matières thermoplastiques permettent une économie de poids de 50% par rapport aux modèles métalliques.

APPLICAZIONI

Applications | Applications

■ Settore nautico

Nautical sector | Secteur nautique

■ Illuminazione portatile

Portable lamps torches | Appareils d'éclairage portatifs

■ Antifurti

Alarm systems | Antivols

■ Comandi professionali

Professional controls and joysticks | Contrôles professionnels

■ Elettrodomestici portatili

Small household appliance | Appareils électroménagers portatifs

■ Quadri di comando

Control panels | Panneaux de contrôle

■ Automazione

Automation | Automation

VANTAGGI

Advantages | Avantages

■ Piccole dimensioni

Small dimensions | Petites tailles

■ Sensazione tattile

Tactile feedback | Sensibilité tactile

■ Impermeabilità IP67

Impermeability IP67 | Imperméabilité IP67

■ Pronta consegna

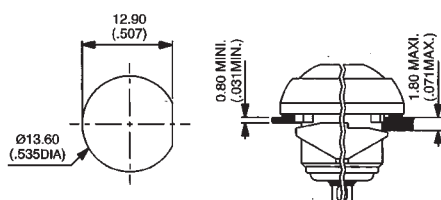
Prompt delivery | Livraison sur stock

Serie IB e IS

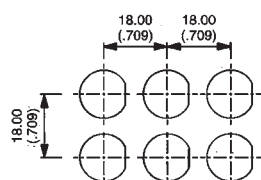
IB&IS series | Séries IB et IS

IB SERIES MOUNTING

Panel cut-out

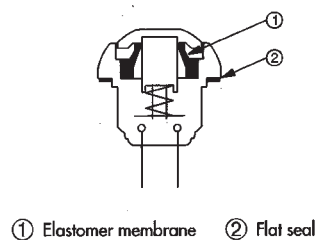


Matrix mounting



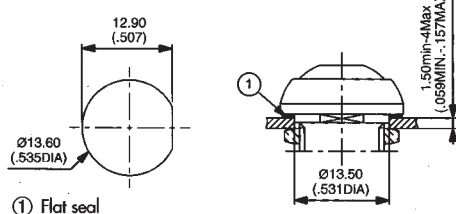
TACTILE FEEDBACK

Cross section

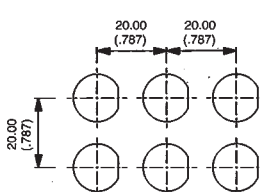


IS SERIES MOUNTING

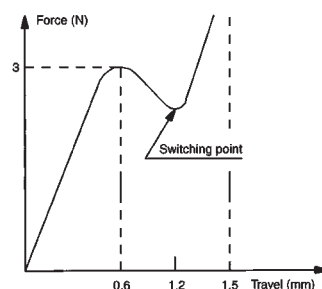
Panel cut-out



Matrix mounting



Operating force/travel

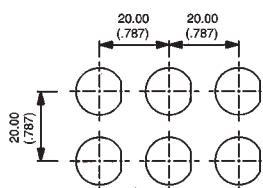


Serie IP

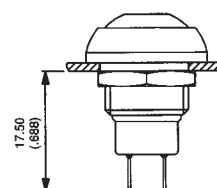
IP series | Séries IP

MOUNTING

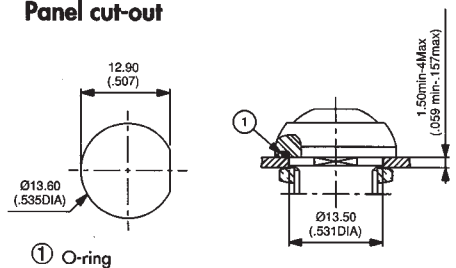
Matrix mounting



Back of panel space requirement

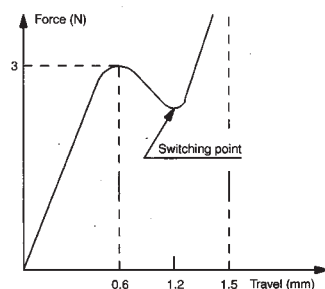


Panel cut-out

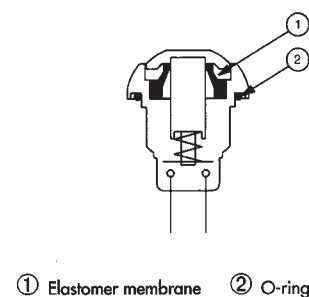


TACTILE FEEDBACK

Operating forces/ travels diagram (indicative nominal curve)



Cross section



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Poussoirs et interrupteurs IP67

INFORMAZIONI GENERALI

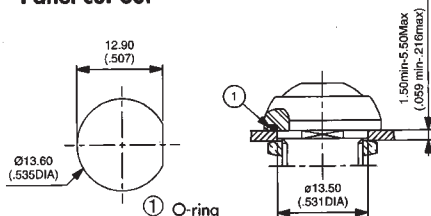
General Information

Informations Générales

SERIE IPR1

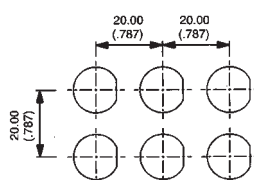
IPR1 series | Séries IPR1

Panel cut-out

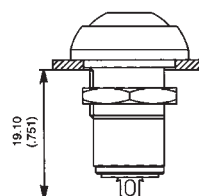


MOUNTING

Matrix mounting



Back of panel space requirement



SEALING

IP 67 for the whole series

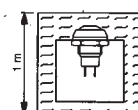
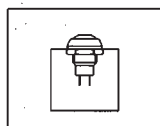
Degree of protection provided by the enclosures of electric appliances according to IEC 529, DIN 40050 and NFC 20-010.

IP
(ingress protection)

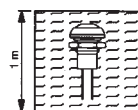
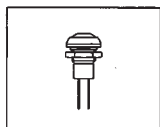
6
Totally protected
against dust

7
Protected against the effects of
immersion up to 1 m water (30 mn)

**SOLDER LUG
VERSION**

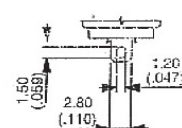


**FLYING LEAD
VERSION**

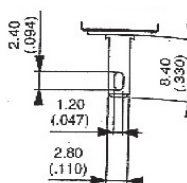
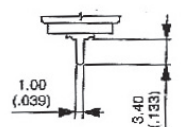


OPZIONI CONTATTI

Contacts choices
Contacts options



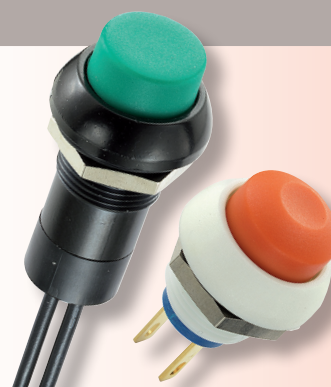
STANDARD



A RICHIESTA



APEM



INTERRUTTORI SPECIALI IP67

IP special custom switches | Interrupteurs spéciaux IP67

RESISTENZE LED SERIE IPC3/IPR3 (INSTABILI)

IPC3/IPR3 series led resistance (Momentary) | Résistances led séries IPC3/IPR3 (Instable)

PN	Colore led - led colour - couleur de la led	Tensione d'alimentazione			Vf (volts)	IF (mA)
		6 VDC	12 VDC	24 VDC		
LOG	verde/green/verte	195 Ω	495 Ω	1095 Ω	2,1	20
LOS	rosso/red/rouge	195 Ω	495 Ω	1095 Ω	2,1	20
LOY	giallo/yellow/jaune	195 Ω	495 Ω	1095 Ω	2,1	20



led blu e bianco a richiesta | blue and white led upon request | sur demande led bleue et blanche

RESISTENZE LED SERIE IPC1/IPR1 (STABILI)

IPC1/IPR1 series led resistance (Maintained) | Résistances led séries IPC1/IPR1 (Stable)

PN	Colore led - led colour - couleur de la led	Tensione d'alimentazione			Vf (volts)	IF (mA)
		6 VDC	12 VDC	24 VDC		
LOG	verde/green/verte	140 Ω	440 Ω	1040 Ω	3,2	20
LOS	rosso/red/rouge	202,5 Ω	502,5 Ω	1102,5 Ω	1,95	20
LOY	giallo/yellow/jaune	200 Ω	500 Ω	1100 Ω	2	20



led blu e bianco a richiesta | blue and white led upon request | sur demande led bleue et blanche

RESISTENZE LED SERIE IRR7 (INSTABILI CON MICROSWITCH)

IRR7 series led resistance (Momentary with Microswitch) | Résistances led séries IRR7 (Instable avec Microswitch)

PN	Colore led - led colour - couleur de la led	Tensione d'alimentazione			Vf (volts)	IF (mA)
		6 VDC	12 VDC	24 VDC		
LOG	verde/green/verte	400 Ω	1000 Ω	2200 Ω	2	10
LOS	rosso/red/rouge	200 Ω	500 Ω	1100 Ω	2	20
LOY	giallo/yellow/jaune	200 Ω	500 Ω	1100 Ω	2	20



led blu e bianco a richiesta | blue and white led upon request | sur demande led bleue et blanche

RESISTENZE LED SERIE IRR3 (INSTABILI)

IRR3 series led resistance (Momentary) | Résistances led séries IRR3 (Instable)

PN	Colore led - led colour - couleur de la led	Tensione d'alimentazione			Vf (volts)	IF (mA)
		6 VDC	12 VDC	24 VDC		
LOG	verde/green/verte	195 Ω	495 Ω	1095 Ω	2,1	20
LOS	rosso/red/rouge	195 Ω	495 Ω	1095 Ω	2,1	20
LOY	giallo/yellow/jaune	195 Ω	495 Ω	1095 Ω	2,1	20



led blu e bianco a richiesta | blue and white led upon request | sur demande led bleue et blanche

RESISTENZE LED SERIE IRR1 (STABILI)

IRR1 series led resistance (Maintained) | Résistances led séries IRR1 (Stable)

PN	Colore led - led colour - couleur de la led	Tensione d'alimentazione			Vf (volts)	IF (mA)
		6 VDC	12 VDC	24 VDC		
LOG	verde/green/verte	140 Ω	440 Ω	1040 Ω	3,2	20
LOS	rosso/red/rouge	202,5 Ω	502,5 Ω	1102,5 Ω	1,95	20
LOY	giallo/yellow/jaune	200 Ω	500 Ω	1100 Ω	2	20



led blu e bianco a richiesta | blue and white led upon request | sur demande led bleue et blanche

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



QUADRATO IP67 Square IP67 | Carré IP67

Corrente/Tensione
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Tasto
Poliamide 6/6

Corpo
Lega di zinco - nero

Contatti
Argento-dorati a saldare

N° cicli
IN=1.000.000 - ST=200.000

Temperatura di lavoro
-40°C +85°C

Current/Voltage
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Actuator
Polyamide 6/6

Body
Zinc die cast - black

Contacts
Solder lugs, gold plated silver

Cycles
IN=1.000.000 - ST=200.000

Operating temperature
-40°C +85°C

Courant/Tension
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Bouton
Polyamide 6/6

Corps
Alliage de zinc - noir

Contacts
Argent doré à souder

Durée de vie
IN=1.000.000 - ST=200.000

Température d'utilisation
-40°C +85°C

IP67 **IPC3** normalmente aperto / normally open / normalement ouvert
IPC5 normalmente aperto / normalmente chiuso / combinato / NC/NO combined / NO/NF combiné



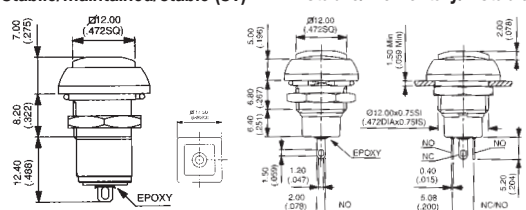
su richiesta
upon request
sur demande

Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
Stabile Maintained Stable (ST)		
IPC1SAD1	■	off - on
IPC1SAD2	■	off - on
IPC1SAD3	■	off - on
IPC1SAD5	■	off - on
IPC1SAD6	■	off - on
IPC1SAD7/1	□	off - on
IPC1SAD9	■	off - on
Instabile Momentary Instable (IN)		
IPC3SAD1	■	off - mom
IPC3SAD2	■	off - mom
IPC3SAD3	■	off - mom
IPC3SAD5	■	off - mom
IPC3SAD6	■	off - mom
IPC3SAD7/1	□	off - mom
IPC3SAD9	■	off - mom
Instabile Momentary Instable (IN)		
IPC5SAD1	■	on - mom
IPC5SAD2	■	on - mom
IPC5SAD3	■	on - mom
IPC5SAD5	■	on - mom
IPC5SAD6	■	on - mom
IPC5SAD7/1	□	on - mom
IPC5SAD9	■	on - mom

Dimensioni | Dimensions | Dimensions

Stabile/maintained/stable (ST)

Instabile/momentary/instable (IN)



25 pz
25 pcs
25 pces pronta
in stock
en stock a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande



QUADRATO IP67 Square IP67 | Carré IP67

Corrente/Tensione
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Tasto
Poliamide 6/6

Corpo
Lega di zinco - nero

Contatti
Cavetti AWG20 0,6 mm²

N° cicli
IN=1.000.000 - ST=200.000

Temperatura di lavoro
-40°C +85°C

Current/Voltage
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Actuator
Polyamide 6/6

Body
Zinc die cast - black

Contacts
Flying leads AWG20 0,6 mm²

Cycles
IN=1.000.000 - ST=200.000

Operating temperature
-40°C +85°C

Courant/Tension
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Bouton
Polyamide 6/6

Corps
Alliage de zinc - noir

Contacts
fils AWG20 0,6mm²

Durée de vie
IN=1.000.000 - ST=200.000

Température d'utilisation
-40°C +85°C

IP67 **IPC5** normalmente aperto / normalmente chiuso / combinato / NC/NO combined / NO/NF combiné

IPC3 normalmente aperto / normalmente chiuso / combinato / NC/NO combined / NO/NF combiné



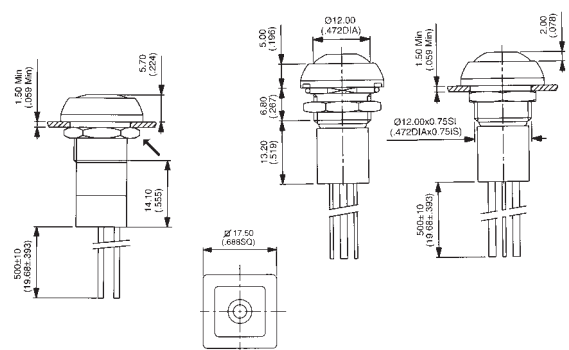
su richiesta
upon request
sur demande

Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
Stabile Maintained Stable (ST)		
IPC1FAD2	■	off - on
IPC1FAD3	■	off - on
IPC1FAD6	■	off - on
Instabile Momentary Instable (IN)		
IPC3FAD2	■	off - mom
IPC3FAD3	■	off - mom
IPC3FAD6	■	off - mom
Instabile Momentary Instable (IN)		
IPC5FAD2	■	on - mom
IPC5FAD3	■	on - mom
IPC5FAD6	■	on - mom

Dimensioni | Dimensions | Dimensions

Stabile/maintained/stable (ST)

Instabile/momentary/instable (IN)



25 pz
25 pcs
25 pces pronta
in stock
en stock a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



TONDO CON LED IP67 Round with led IP67 | *Rond avec led IP67*

Corrente/Tensione
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

asto
Poliamide 6/6

Corpo
Lega di zinco - nero

Contatti
Argento-dorati a saldare

N° cicli
IN=1.000.000 - ST=200.000

Temperatura di lavoro
-40°C +85°C

Current/Voltage
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Actuator
Polyamide 6/6

Body
Zinc die cast - black

Contacts
Solder lugs, gold plated silver

Cycles
IN=1.000.000 - ST=200.000

Operating temperature
-40°C +85°C

Courant/Tension
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

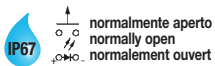
Bouton
Polyamide 6/6

Corps
Alliage de zinc - noir

Contacts
Argent doré à souder

Durée de vie
IN=1.000.000 - ST=200.000

Température d'utilisation
-40°C +85°C



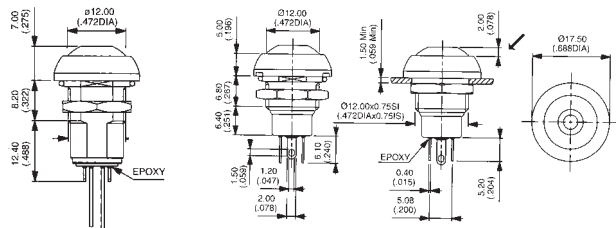
su richiesta
upon request
sur demande

Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led	Led Led Led	Circuito Circuit Circuit
Stabile Maintained Stable (ST)				
IPR1SAD2 LOS	■	■	1,95 V 20 mA	off - on
IPR1SAD3 LOS	■	■	1,95 V 20 mA	off - on
IPR1SAD6 LOS	■	■	1,95 V 20 mA	off - on
IPR1SAD2 LOY	■	■	2 V 20 mA	off - on
IPR1SAD3 LOY	■	■	2 V 20 mA	off - on
IPR1SAD6 LOY	■	■	2 V 20 mA	off - on
IPR1SAD2 LOG	■	■	3,2 V 20 mA	off - on
IPR1SAD3 LOG	■	■	3,2 V 20 mA	off - on
IPR1SAD6 LOG	■	■	3,2 V 20 mA	off - on
Instabile Momentary Instable (IN)				
IPR3SAD2 LOS	■	■	2,1 V 20 mA	off - mom
IPR3SAD3 LOS	■	■	2,1 V 20 mA	off - mom
IPR3SAD6 LOS	■	■	2,1 V 20 mA	off - mom
IPR3SAD2 LOY	■	■	2,1 V 20 mA	off - mom
IPR3SAD3 LOY	■	■	2,1 V 20 mA	off - mom
IPR3SAD6 LOY	■	■	2,1 V 20 mA	off - mom
IPR3SAD2 LOG	■	■	2,1 V 20 mA	off - mom
IPR3SAD3 LOG	■	■	2,1 V 20 mA	off - mom
IPR3SAD6 LOG	■	■	2,1 V 20 mA	off - mom

Dimensioni | Dimensions | Dimensions

Stabile/maintained/stable (ST)

Instabile/momentary/instable (IN)



25 pz
25 pcs
25 pces



pronta
in stock
en stock



a richiesta colori tasto e led diversi
other actuator and led colours upon request
différentes couleurs de bouton et de led fournissables sur demande



TONDO CON LED IP67 Round with led IP67 | *Rond avec led IP67*

Corrente/Tensione
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Tasto
Poliamide 6/6

Corpo
Lega di zinco - nero

Contatti
Cavetti AWG20 0,6mm²

N° cicli
IN=1.000.000 - ST=200.000

Temperatura di lavoro
40°C +85°C

Current/Voltage
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

Actuator
Polyamide 6/6

Body
Zinc die cast - black

Contacts
Flying leads AWG20 0,6mm²

Cycles
IN=1.000.000 - ST=200.000

Operating temperature
-40°C +85°C

Courant/Tension
IN=500 mA/48 V - 200 mA/250 V
ST=100 mA/24 V - 2 A/125 V

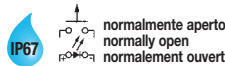
Bouton
Polyamide 6/6

Corps
Alliage de zinc - noir

Contacts
Fils AWG20 0,6mm²

Durée de vie
IN=1.000.000 - ST=200.000

Température d'utilisation
-40°C +85°C



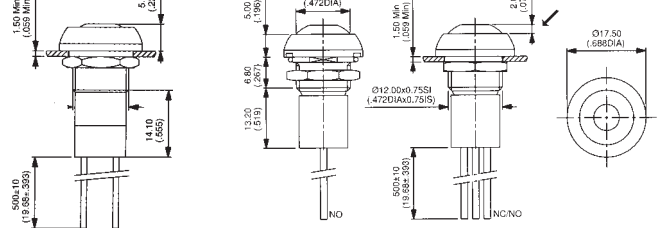
su richiesta
upon request
sur demande

Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led	Led Led Led	Circuito Circuit Circuit
Stabile Maintained Stable (ST)				
IPR1FAD2 LOS	■	■	1,95 V 20 mA	off - on
IPR1FAD3 LOS	■	■	1,95 V 20 mA	off - on
IPR1FAD6 LOS	■	■	1,95 V 20 mA	off - on
IPR1FAD2 LOY	■	■	2 V 20 mA	off - on
IPR1FAD3 LOY	■	■	2 V 20 mA	off - on
IPR1FAD6 LOY	■	■	2 V 20 mA	off - on
IPR1FAD2 LOG	■	■	3,2 V 20 mA	off - on
IPR1FAD3 LOG	■	■	3,2 V 20 mA	off - on
IPR1FAD6 LOG	■	■	3,2 V 20 mA	off - on
Instabile Momentary Instable (IN)				
IPR3FAD2 LOS	■	■	2,1 V 20 mA	off - mom
IPR3FAD3 LOS	■	■	2,1 V 20 mA	off - mom
IPR3FAD6 LOS	■	■	2,1 V 20 mA	off - mom
IPR3FAD2 LOY	■	■	2,1 V 20 mA	off - mom
IPR3FAD3 LOY	■	■	2,1 V 20 mA	off - mom
IPR3FAD6 LOY	■	■	2,1 V 20 mA	off - mom
IPR3FAD2 LOG	■	■	2,1 V 20 mA	off - mom
IPR3FAD3 LOG	■	■	2,1 V 20 mA	off - mom
IPR3FAD6 LOG	■	■	2,1 V 20 mA	off - mom

Dimensioni | Dimensions | Dimensions

Stabile/maintained/stable (ST)

Instabile/momentary/instable (IN)



25 pz
25 pcs
25 pces



pronta
in stock
en stock



a richiesta colori tasto e led diversi
other actuator and led colours upon request
différentes couleurs de bouton et de led fournissables sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



PULSANTE TONDO A SNAP-IN IP67

Snap-in round IP67 push-button | *Poussoir rond à enclenchement IP67*

Corrente/Tensione 400 mA/32 V - 125 mA/125 V	Current/Voltage 400 mA/32 V - 125 mA/125 V	Courant/Tension 400 mA/32 V - 125 mA/125 V
Tasto Poliamide 6/6	Actuator Polyamide 6/6	Bouton Polyamide 6/6
Corpo Termoplastico nero UL94-V0	Body Black thermoplastic UL94-V0	Corps Thermoplastique noir UL94-V0
Contatti Argento-dorati	Contacts Gold plated silver	Contacts Argent doré
N° cicli 500.000	Cycles 500.000	Durée de vie 500.000
Temperatura di lavoro -40°C +85°C	Operating temperature -40°C +85°C	Température d'utilisation -40°C +85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
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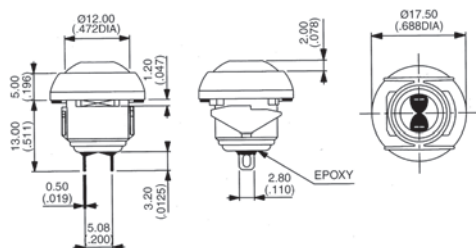
A saldare | Solder lugs | À souder

IBR3SAD2	■	off - mom
IBR3SAD3	■	off - mom
IBR3SAD6	■	off - mom

Cappuccio di protezione | Protection cover | Capuchon de protection

IU5125	trasparente silicone/ transparent silicon/en silicone transparent	-40°C +85°C
IU5125.2	nero silicone/ black silicon/en silicone noir	-40°C +85°C

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto diversi
other actuator colours upon request
différents couleurs de bouton fournissables sur demande



PULSANTE TONDO IP67

Round IP67 push button | *Poussoir rond IP67*

Corrente/Tensione 400 mA/32 V - 125 mA/125 V	Current/Voltage 400 mA/32 V - 125 mA/125 V	Courant/Tension 400 mA/32 V - 125 mA/125 V
Tasto Poliamide 6/6	Actuator Polyamide 6/6	Bouton Polyamide 6/6
Corpo Termoplastico nero UL94-V0	Body Black thermoplastic UL94-V0	Corps Thermoplastique noir UL94-V0
Contatti Argento-dorati	Contacts Gold plated silver	Contacts Argent doré
N° cicli 500.000	Cycles 500.000	Durée de vie 500.000
Temperatura di lavoro -40°C +85°C	Operating temperature -40°C +85°C	Température d'utilisation -40°C +85°C

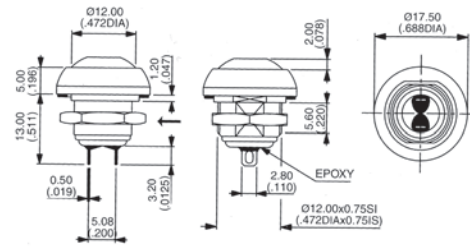


Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore corpo Body colour Couleur corps	Circuito Circuit Circuit
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A saldare | Solder lugs | À souder

ISR3SAD2	■	nero/black/noir	off - mom
ISR3SAD3	■	nero/black/noir	off - mom
ISR3SAD6	■	nero/black/noir	off - mom
ISR3SAD1/4	■	blu scuro	off - mom
ISR3SAD1	■	nero/black/noir	off - mom
ISR3SAD5	■	nero/black/noir	off - mom
ISR3SAD7	■	nero/black/noir	off - mom
ISR3SAD8	■	cromato lucido	off - mom
ISR3SAD8 08	■	cromato lucido	off - mom
ISR3SAD9	■	nero/black/noir	off - mom
ISR3SADA	■	cromato satinato	off - mom
ISR3SADA 20	■	cromato satinato	off - mom

Dimensioni | Dimensions | Dimensions



è possibile fornire questa serie con corpo cromato o bianco
this series is available with white or chrome plated body
corps chromés ou blancs sont disponibles sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



TONDO Ø16 IP67 MONTAGGIO RETRO PANNELLO

Rear mounted Ø16 Round IP67 | *Rond Ø16 IP67 montage postérieur panneau*

Corrente/Tensione

A saldare=200 mA/250 V
A vite=2 A/250 V

Tasto

Poliamide

Corpo

Poliamide

Contatti

Argento-dorati, a saldare
Argento, a vite

N° cicli

500.000

Temperatura di lavoro

-40°C + 85°C

Current/Voltage

Solder lugs=200 mA/250 V
Screw=2 A/250 V

Attuator

Polyamide

Body

Polyamide

Contacts

Solder lugs, gold plated silver
Screw, silver

Cycles

500.000

Operating temperature

-40°C + 85°C

Courant/Tension

A souder=200 mA/250 V
A vis=2 A/250 V

Bouton

Polyamide

Corps

Polyamide

Contacts

Argent doré, à souder
Argent, à vis

Durée de vie

500.000

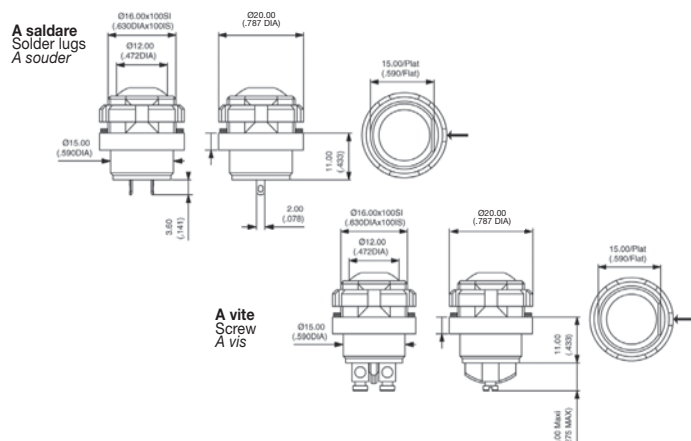
Température d'utilisation

-40°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
A saldare Solder lugs À souder		
IZPR3S42	Black	on - mom
IZPR3S43	Green	on - mom
IZPR3S46	Red	on - mom
A vite Screw À vis		
IZPR3V22	Black	on - mom
IZPR3V23	Green	on - mom
IZPR3V26	Red	on - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande



TONDO Ø16 IP67 MONTAGGIO RETRO PANNELLO IN METALLO

Metal rear mounted Ø16 Round IP67 | *Rond Ø16 IP67 montage postérieur panneau en métal*

Corrente/Tensione

200 mA/250 V

Tasto

Poliamide

Corpo

Ottone nichelato

Contatti

Argento-dorati, a saldare

N° cicli

500.000

Temperatura di lavoro

-40°C + 85°C

Current/Voltage

200 mA/250 V

Attuator

Polyamide

Body

Nickel plated brass

Contacts

Solder lugs, gold plated silver

Cycles

500.000

Operating temperature

-40°C + 85°C

Courant/Tension

200 mA/250 V

Bouton

Polyamide

Corps

Laiton nickelé

Contacts

Argent doré, à souder

Durée de vie

500.000

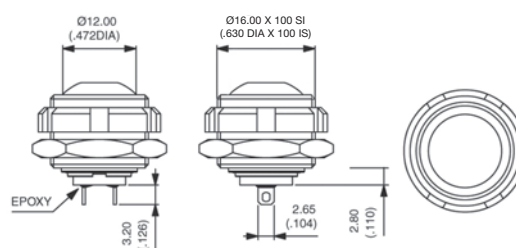
Température d'utilisation

-40°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
IZMR3S42	Black	on - mom
IZMR3S43	Green	on - mom
IZMR3S46	Red	on - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



PULSANTE EFFETTO HALL "HALL EFFECT" switch | *Poussoir Effet Hall*

Corrente d'alimentazione
2,5 mA (12 Vdc)
Tensione d'alimentazione
3,5 Vdc a 14,5 Vdc
Corrente max
50 mA
Tensione max
14,5 Vdc
Tasto
Poliamide 6/6
Corpo
Lega di zinco - nero
Contatti
Cavetti AWG26 (150mm)
N° cicli
5.000.000
Forza di operazione
6N
Temperatura di lavoro
-40°C + 85°C

Supply current
2,5 mA (12 Vdc)
Supply voltage
3,5 Vdc to 14,5 Vdc
Max current
50 mA
Max voltage
14,5 Vdc
Actuator
Polyamide 6/6
Body
Zinc die cast - black
Contacts
Flying leads AWG26 (150mm)
Cycles
5.000.000
Operating force
6N
Operating temperature
-40°C + 85°C

Courant d'alimentation
2,5 mA (12 Vdc)
Tension d'alimentation
3,5 Vdc à 14,5 Vdc
Courant max
50 mA
Tension max
14,5 Vdc
Bouton
Polyamide 6/6
Corps
Alliage de zinc - noir
Contacts
Fils AWG26 (150mm)
Durée de vie
5.000.000
Force de manoeuvre
6N
Température d'utilisation
-40°C + 85°C

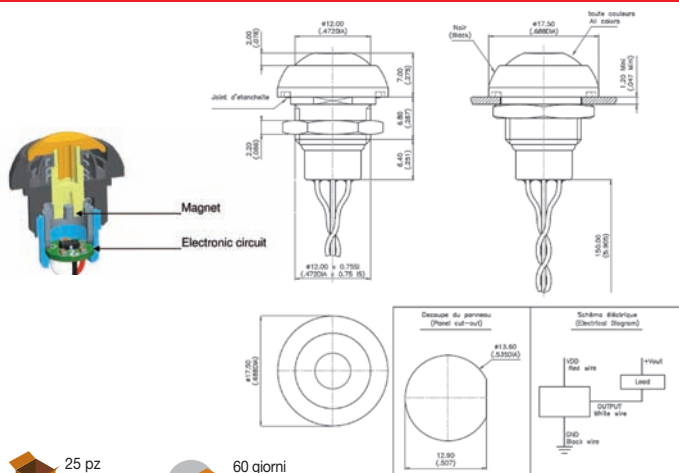
normalmente aperto
normally open
normalement ouvert



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
IHSR36F2	Black	off - mom
IHSR36F3	Green	off - mom
IHSR36F6	Red	off - mom

i Tecnologia a sensore Effetto Hall per una più lunga durata
Hall Effect sensor technology for long life
Technologie à Effet Hall pour une plus longue durée de vie

Dimensioni | Dimensions | Dimensions



25 pz
25 pcs
25 pcs
60 giorni
60 days
60 jours



PULSANTE PROPORZIONALE EFFETTO HALL "HALL EFFECT" proportional switch | *Poussoir proportionnel Effet Hall*

Corrente d'alimentazione
9 mA
Tensione d'alimentazione
4,5 Vdc a 5,5 Vdc
Corrente max
1,25 mA
Tensione max
See graph
Tasto
ABS
Corpo
Poliamide 6/6
Contatti
Cavetti AWG26 (150mm)
N° cicli
10.000.000
Forza di operazione
Standard
Temperatura di lavoro
-40°C + 85°C

Supply current
9 mA
Supply voltage
4,5 Vdc to 5,5 Vdc
Max current
1,25 mA
Max voltage
See graph
Actuator
ABS
Body
Polyamide 6/6
Contacts
Flying leads AWG26 (150mm)
Cycles
10.000.000
Operating force
Standard
Operating temperature
-40°C + 85°C

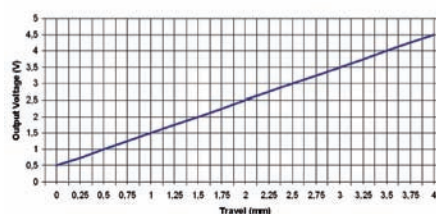
Courant d'alimentation
9 mA
Tension d'alimentation
4,5 Vdc à 5,5 Vdc
Courant max
1,25 mA
Tension max
Voir la courbe
Bouton
ABS
Corps
Polyamide 6/6
Contacts
Fils AWG26 (150mm)
Durée de vie
10.000.000
Force de manoeuvre
Standard
Température d'utilisation
-40°C + 85°C

normalmente aperto proporzionale
normally open proportional
normalement ouvert proportionnel



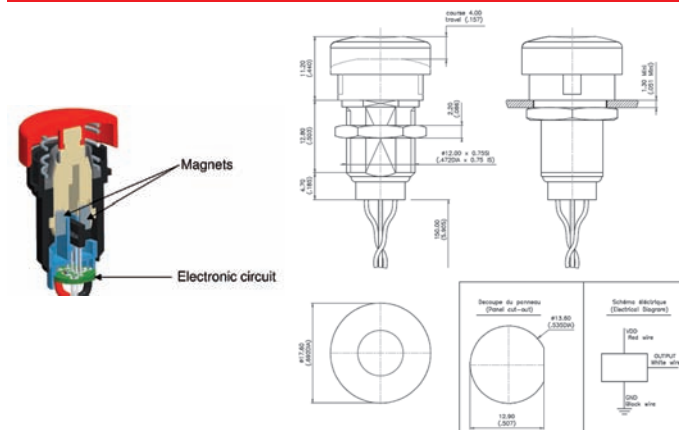
Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
IHLR015XF2	Black	off - mom (proportional)
IHLR015XF3	Green	off - mom (proportional)
IHLR015XF6	Red	off - mom (proportional)

Linear Output Graph (Vcc=5V@20°C)



i Segnale di uscita proporzionale alla corsa del tasto (mm)
Output signal proportional to the actuator travel (mm)
Signal de sortie proportionnel à la course du bouton (mm)

Dimensioni | Dimensions | Dimensions



25 pz
25 pcs
25 pcs
60 giorni
60 days
60 jours

! a richiesta disponibile versione 12V/24V
12V/24V version available upon request
version 12V/24V disponible sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



PULSANTE Ø25 Ø25 Push-buttons | *Poussoirs Ø25*

Corrente/Tensione
400 mA/32 V - 100 mA/50 V

Tasto
Poliamide 12, caricata gomma

Corpo
Poliamide 6/6

Contatti
Argento-dorati Faston 2,8 mm

N° cicli
1.000.000

Temperatura di lavoro
-20°C +85°C

Current/Voltage
400 mA/32 V - 100 mA/50 V

Attuator
Polyamide 12, rubber filled

Body
Polyamide 6/6

Contacts
Gold plated silver, Faston 2,8 mm

Cycles
1.000.000

Operating temperature
-20°C +85°C

Courant/Tension
400 mA/32 V - 100 mA/50 V

Bouton
Polyamide 12, chargé caoutchouc

Corps
Polyamide 6/6

Contacts
Argent doré, Faston 2,8 mm

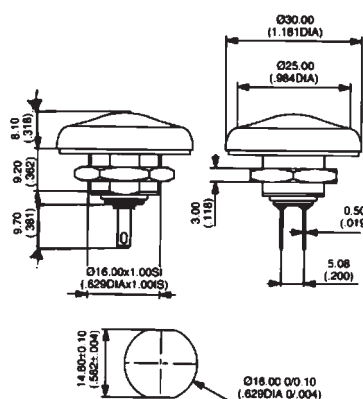
Durée de vie
1.000.000

Température d'utilisation
-20°C +85°C



Code Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
IFS3Z1AD1	■	off - mom
IFS3Z1AD2	■	off - mom
IFS3Z1AD3	■	off - mom
IFS3Z1AD5	■	off - mom
IFS3Z1AD6	■	off - mom
IFS3Z1AD7	■	off - mom
IFS3Z1AD9	■	off - mom

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces



pronta
in stock
en stock



PULSANTE Ø16 Ø16 Push-buttons | *Poussoirs Ø16*

Corrente/Tensione
2 A/24 V DC

Tasto
Poliuretano

Corpo
Termoplastico nero

Contatti
Argento-dorati/Cavetti

N° cicli
1.000.000

Temperatura di lavoro
-20°C +65°C

Current/Voltage
2 A/24 V DC

Attuator
Polyurethane

Body
Black thermoplastic

Contacts
Gold plated silver/Flying leads

Cycles
1.000.000

Operating temperature
-20°C +65°C

Courant/Tension
2 A/24 V DC

Bouton
Polyuréthane

Corps
Thermoplastique noir

Contacts
Argent doré/Fils

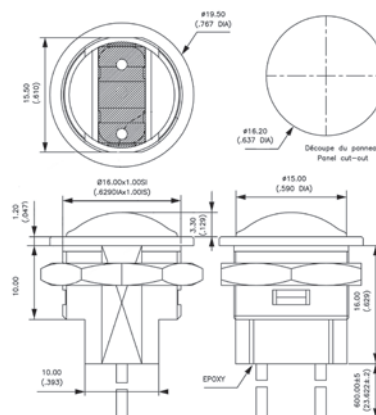
Durée de vie
1.000.000

Température d'utilisation
-20°C +65°C



Code Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
IAR3F1 200	■	off - mom
IAR3F1 300	■	off - mom
IAR3F1 500	■	off - mom
IAR3F1 600	■	off - mom
IAR3F1 900	■	off - mom

Dimensioni | Dimensions | Dimensions



20 pz
20 pcs
20 pces



pronta
in stock
en stock

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



TONDO CON LED Ø 16 IP67 CON MICROSWITCH

Ø 16 Round with led IP67 with microswitch | *Rond avec led Ø 16 IP67 avec microswitch*

Corrente/Tensione
5 A/250 V

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Argento, a saldare

N° cicli
50.000

Temperatura di lavoro
-20°C + 85°C

Current/Voltage
5 A/250 V

Attuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Solder lugs, silver

Cycles
50.000

Operating temperature
-20°C + 85°C

Courant/Tension
5 A/250 V

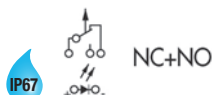
Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Argent, à souder

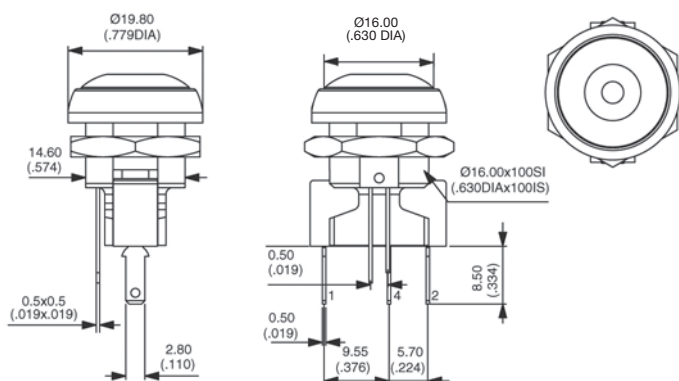
Durée de vie
50.000

Température d'utilisation
-20°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Colore led Led colour Couleur led	Led Led Led	Circuito Circuit Circuit
Instabile Momentary Instable (IN)				
IRR7Z222 LOS	■	■	2 V 20 mA	on - mom
IRR7Z222 LOY	■	■	2 V 20 mA	on - mom
IRR7Z222 LOG	■	■	2 V 10 mA	on - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto e led diversi
other actuator and led colours upon request
différentes couleurs de bouton et de led fournissables sur demande



TONDO Ø 16 IP67 CON MICROSWITCH

Ø 16 Round IP67 with microswitch | *Rond Ø 16 IP67 avec microswitch*

Corrente/Tensione
5 A/250 V

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Argento, a saldare

N° cicli
50.000

Temperatura di lavoro
-20°C + 85°C

Current/Voltage
5 A/250 V

Attuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Solder lugs, silver

Cycles
50.000

Operating temperature
-20°C + 85°C

Courant/Tension
5 A/250 V

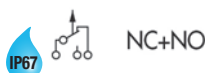
Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Argent, à souder

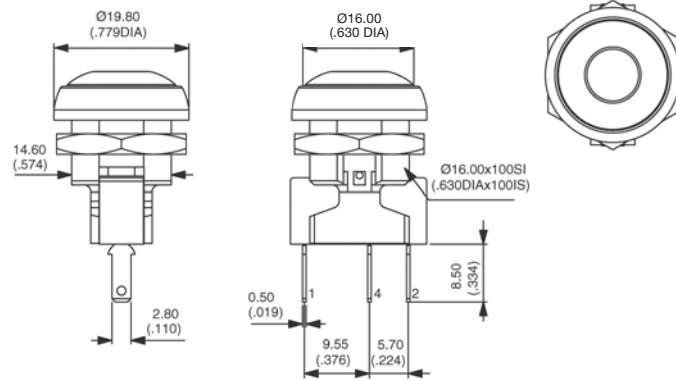
Durée de vie
50.000

Température d'utilisation
-20°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
Instabile Momentary Instable (IN)		
IRR7Z222	■	on - mom
IRR7Z232	■	on - mom
IRR7Z262	■	on - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



TONDO CON LED Ø 16 IP67

Ø 16 Round with led IP67 | *Rond avec led Ø 16 IP67*

Corrente/Tensione
IN=200 mA/250 V
ST=100 mA/24 VDC

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Argento-dorati, a saldare

N° cicli
IN=500.000 - ST=200.000

Temperatura di lavoro
-40°C + 85°C

Current/Voltage
IN=200 mA/250 V
ST=100 mA/24 VDC

Actuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Solder lugs, gold plated silver

Cycles
IN=500.000 - ST=200.000

Operating temperature
-40°C + 85°C

Courant/Tension
IN=200 mA/250 V
ST=100 mA/24 VDC

Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Argent doré, à souder

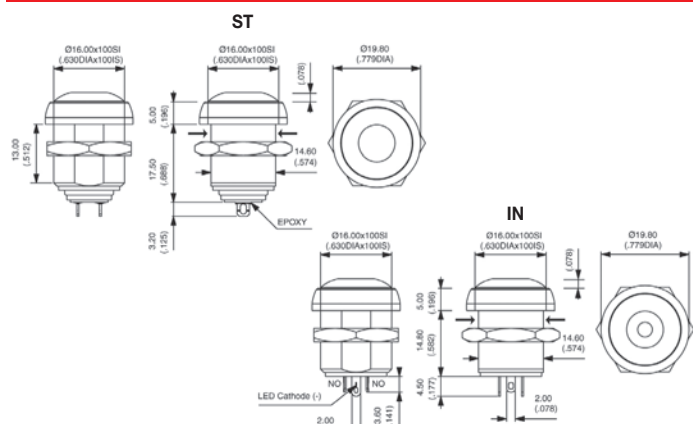
Durée de vie
IN=500.000 - ST=200.000

Température d'utilisation
-40°C + 85°C



Code	Code	Code	Code	Code	Code
Codice	Colore tasto	Colore led	Led	Circuito	
Code	Actuator colour	Led colour	Led	Circuit	
Code	Couleur bouton	Couleur led	Led	Circuit	
Stabile Maintained Stable (ST)					
IRR1S422 LOS	■	■	1,95 V	20 mA	off - on
IRR1S422 LOY	■	■	2 V	20 mA	off - on
IRR1S422 LOG	■	■	3,2 V	20 mA	off - on
Instabile Momentary Instable (IN)					
IRR3S422 LOS	■	■	2,1 V	20 mA	off - mom
IRR3S422 LOY	■	■	2,1 V	20 mA	off - mom
IRR3S422 LOG	■	■	2,1 V	20 mA	off - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto e led diversi
other actuator and led colours upon request
différentes couleurs de bouton et de led fournissables sur demande



TONDO CON LED Ø 16 IP67

Ø 16 Round with led IP67 | *Rond avec led Ø 16 IP67*

Corrente/Tensione
IN=200 mA/250 V
ST=100 mA/24 VDC

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Cavetti AWG26 0,12mm²

N° cicli
IN=500.000 - ST=200.000

Temperatura di lavoro
-40°C + 85°C

Current/Voltage
IN=200 mA/250 V
ST=100 mA/24 VDC

Actuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Flying leads AWG26 0,12mm²

Cycles
IN=500.000 - ST=200.000

Operating temperature
-40°C + 85°C

Courant/Tension
IN=200 mA/250 V
ST=100 mA/24 VDC

Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Fils AWG26 0,12mm²

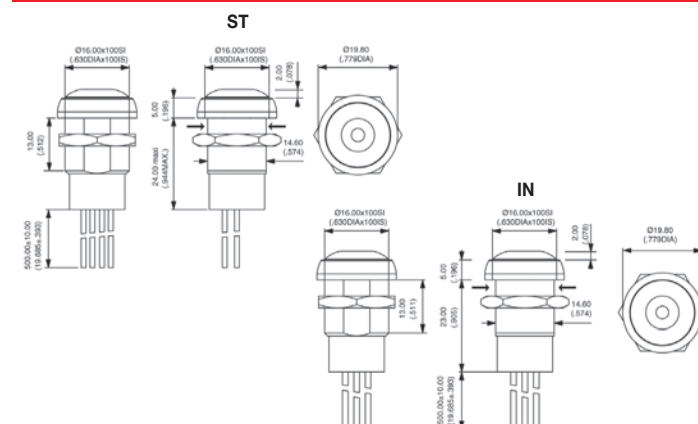
Durée de vie
IN=500.000 - ST=200.000

Température d'utilisation
-40°C + 85°C



Code	Code	Code	Code	Code	Code
Codice	Colore tasto	Colore led	Led	Circuito	
Code	Actuator colour	Led colour	Led	Circuit	
Code	Couleur bouton	Couleur led	Led	Circuit	
Stabile Maintained Stable (ST)					
IRR1F422 LOS	■	■	1,95 V	20 mA	off - on
IRR1F422 LOY	■	■	2 V	20 mA	off - on
IRR1F422 LOG	■	■	3,2 V	20 mA	off - on
Instabile Momentary Instable (IN)					
IRR3F422 LOS	■	■	2,1 V	20 mA	off - mom
IRR3F422 LOY	■	■	2,1 V	20 mA	off - mom
IRR3F422 LOG	■	■	2,1 V	20 mA	off - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto e led diversi
other actuator and led colours upon request
différentes couleurs de bouton et de led fournissables sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



TONDO LED Ø16 IP67 Ø16 Round IP67 | Ø16 IP67

Corrente/Tensione
IN=200 mA/250 V
ST=100 mA/24 VDC

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Argento-dorati, a saldare

N° cicli
IN=500.000 - ST=200.000

Temperatura di lavoro
-40°C + 85°C

Current/Voltage
IN=200 mA/250 V
ST=100 mA/24 VDC

Attuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Solder lugs, gold plated silver

Cycles
IN=500.000 - ST=200.000

Operating temperature
-40°C + 85°C

Courant/Tension
IN=200 mA/250 V
ST=100 mA/24 VDC

Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Argent doré, à souder

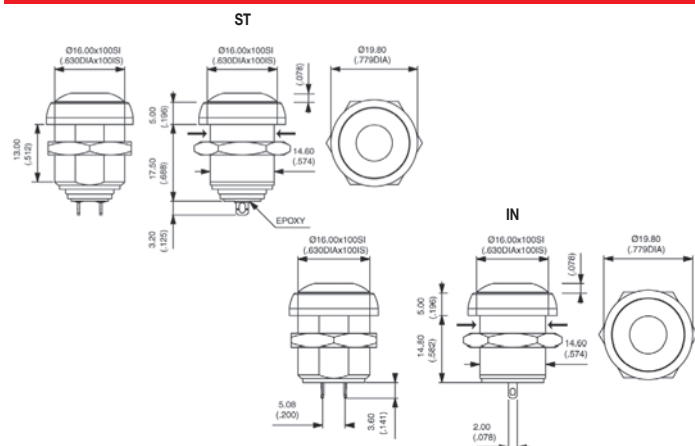
Durée de vie
IN=500.000 - ST=200.000

Température d'utilisation
-40°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
Stabile Maintained Stable (ST)		
IRR1S422	Black	off - on
IRR1S432	Green	off - on
IRR1S462	Red	off - on
Instabile Momentary Instable (IN)		
IRR3S422	Black	off - mom
IRR3S432	Green	off - mom
IRR3S462	Red	off - mom

Dimensioni | Dimensions | Dimensions



40 pz
40 pcs
40 pces
pronta in stock
en stock
a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande



TONDO Ø16 IP67 Ø16 Round IP67 | Rond Ø16 IP67

Corrente/Tensione
IN=200 mA/250 V
ST=100 mA/24 VDC

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Cavetti AWG 26 0,12mm²

N° cicli
IN=500.000 - ST=200.000

Temperatura di lavoro
-40°C + 85°C

Current/Voltage
IN=200 mA/250 V
ST=100 mA/24 VDC

Attuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Flying leads AWG 26 0,12mm²

Cycles
IN=500.000 - ST=200.000

Operating temperature
-40°C + 85°C

Courant/Tension
IN=200 mA/250 V
ST=100 mA/24 VDC

Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Fils AWG 26 0,12mm²

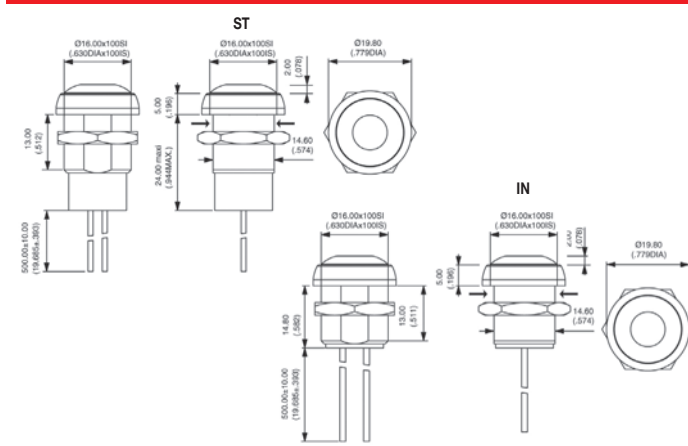
Durée de vie
IN=500.000 - ST=200.000

Température d'utilisation
-40°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
Stabile Maintained Stable (ST)		
IRR1F422	Black	off - on
IRR1F432	Green	off - on
IRR1F462	Red	off - on
Instabile Momentary Instable (IN)		
IRR3F422	Black	off - mom
IRR3F432	Green	off - mom
IRR3F462	Red	off - mom

Dimensioni | Dimensions | Dimensions



25 pz
25 pcs
25 pces
pronta in stock
en stock
a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande

PULSANTI E INTERRUTTORI IP67

IP67 push-buttons and switches | *Poussoirs et interrupteurs IP67*



TONDO Ø16 IP67 Ø16 Round IP67 | Rond Ø16 IP67

Corrente/Tensione
2 A/250 V

Tasto
Poliamide 6/6

Corpo
Poliamide 6/6

Contatti
Argento, a vite

N° cicli
500.000

Temperatura di lavoro
-40°C + 85°C

Current/Voltage
2 A/250 V

Attuator
Polyamide 6/6

Body
Polyamide 6/6

Contacts
Screw, silver

Cycles
500.000

Operating temperature
-40°C + 85°C

Courant/Tension
2 A/250 V

Bouton
Polyamide 6/6

Corps
Polyamide 6/6

Contacts
Argent, à vis

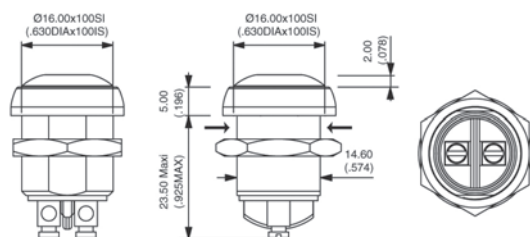
Durée de vie
500.000

Température d'utilisation
-40°C + 85°C



Codice Code Code	Colore tasto Actuator colour Couleur bouton	Circuito Circuit Circuit
Instabile Momentary Instable (IN)		off - mom
IRR3V222	■	off - mom
IRR3V232	■	off - mom
IRR3V262	■	off - mom

Dimensioni | Dimensions | Dimensions



a richiesta colori tasto diversi
other actuator colours upon request
différentes couleurs de bouton fournissables sur demande