SOAV112 series

SECURITY PUSHBUTTON SWITCHES • Ø12MM • NO • LED ILLUMINATED

DISTINCTIVE FEATURES

compact size

excellent tactile feedback

LED illuminated versions

momentary or latched

NO contact

3A @ 220 V

specific wiring upon request

specific marking upon request



ELECTRICAL SPECIFICATIONS

Max voltage : 250 V

Max current/voltage with resistive load :
2 A @ 220Vac / 2A @ 24 Vdc

Initial contact resistance : 50 mΩ max

Insulation resistance : 1000 MΩ mini at 500Vdc

Electrical life : 100.000 cycles at full load

Dielectric strength : 1000 VAC, 50Hz, 50 seconds

LED voltage : see ***Build your part number*** section

LED typical life : 40.000 hours

MECHANICAL SPECIFICATIONS

Actuation force : from 2 to 5 Newtons

Travel : from 1.5mm to 2.5mm

Mechanical life : 1.000.000 cycles minimum

Switchbase material : PC

Body material : see ***Build your part number*** section

Button material : see ***Build your part number*** section

Lugs material : gold plated copper

Contact material : gold plated silver

ENVIRONMENTAL SPECIFICATIONS

Operating temperature = from -25°C to +55°C

Ingress Protection to IP65 or IP67 - frontpanel

Compliant with IEC60947-5-1 standard

Compliant with GB14048.5 standard

GENERAL SPECIFICATIONS

Typical drilling diameter : 12.5mm

Panel thickness : 10mm max.

Minimum pitch for matrix installation : 20 x 20 mm

Hand soldering : 300°C max. during 5 seconds

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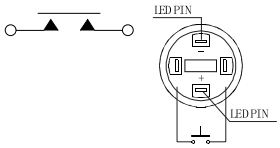
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BUILD YOUR PART NUMBER

Familly	Diameter	Button type	Function	Connection	Material	LED color	LED voltage
SOAV1	12	E	Z	J	S	B	6

Diameter / contact type

12	12 mm / form X



Button / Illumination

F	Flat, non illuminated
H	High, non illuminated
D	Flat, illuminated dot
E	Flat, illuminated ring
J	Flat High, illuminated ring
K	High, "Standby" illuminated logo
C	Spécific[1]

Function

-	Momentary IP65
Y	Momentary IP67
Z	Alternate ON/OFF

Connection

J	Solder lugs / Quickconnect
F	Wires / Cable[2]

Main material

S	Stainless steel
N	Nickeled brass
A	Black anodized alum.

Led color

-	Non illuminated
R	Red
G	Green
Y	Yellow
B	Blue
W	White
RB	Red & Blue
RG	Red & Green

LED power supply[4]

-	Non illuminated or standard voltage 3 V
6	6 V
12	12 V
24	24 V
110	110 V
220	220 V

ABOUT THIS SERIES

[1] U.DESIGN service: custom button design upon request, custom marking upon request.
[2] U.DESIGN service : custom wiring and harness upon request.
[3] Anodized aluminum with custom color upon request and subject to MOQ.
[4] Standard LED power-supply : 3 V. For options 6, 12, 24, 110 et 220 V an external resistor to be soldered is supplied.

Our pushbutton switches are delivered with their nickel plated brass hex nuts as well as their gasket.

FOR ALL YOUR CUSTOM REQUESTS, CONTACT US !
sales@kynoppe.com

⚠ SOME CONFIGURATIONS MIGHT NOT BE AVAILABLE OR SUBMITTED TO M.O.Q.

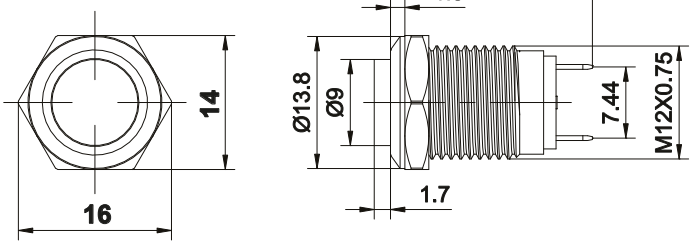
CONFIGURATION EXAMPLES

FLAT BUTTON - NON ILLUMINATED - 1NO



SOAV112FJS

stainless steel, momentary

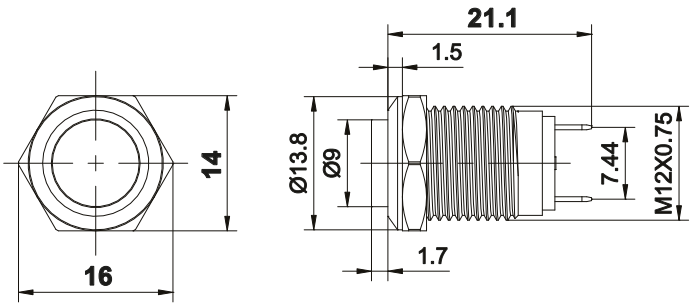


HIGH BUTTON - NON ILLUMINATED - 1NO



SOAV112HJS

stainless steel, momentary



FLAT BUTTON - ILLUMINATED - 1NO



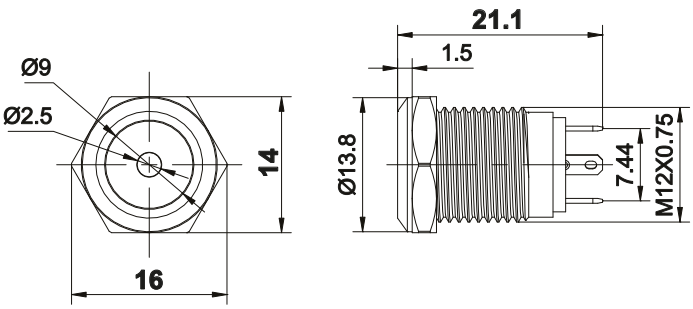
SOAV112DJS••

stainless steel, momentary, illuminated dot

SOAV112EJA••

black alum., momentary, illuminated ring

• *please choose LED color and voltage in Build your part number section,*
when LED is off, ring is without color



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HIGH BUTTON - ILLUMINATED RING - 1NO



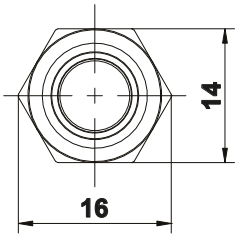
SOAV112JJA••

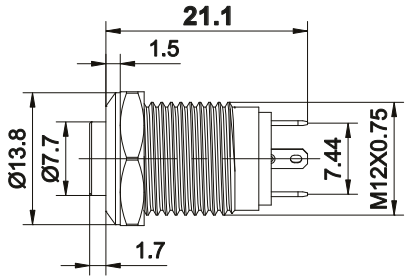
black alum., momentary, illuminated ring

SOAV112JJS••

stainless steel, momentary - illuminated ring

• *please choose LED color and voltage in Build your part number section,*
when LED is off, ring is without color





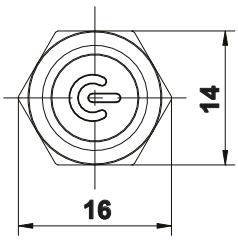
HIGH BUTTON - ILLUMINATED LOGO ⏻ - 1NO

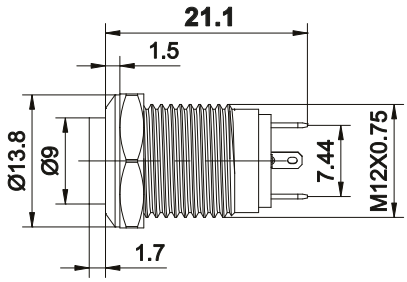


SOAV112KJS••

stainless steel, momentary

• *please choose LED color and voltage in Build your part number section,*
when LED is off, logo is without color





FLAT BUTTON ALTERNATE - ILLUMINATED - 1NO



SOAV112EZJA••

black anodised aluminum,
alternate ON/OFF
illuminated ring

• *please choose LED color and voltage in Build your part number section,*
when LED is off, ring is without color

