SOAV2 series

SECURITY PUSHBUTTON SWITCHES • ø16MM • UP TO 2NO2NC • LED ILLUMINATED

🏆 DISTINCTIVE FEATURES

excellent tactile feedback

illuminated versions

momentary or latched

up to 2NO/2NC form C

3A @ 220 V

specific wiring upon request

specific marking upon request

🔌 ELECTRICAL SPECIFICATIONS

Max voltage : 250 V

Max current/voltage with resistive load :
3 A @ 220Vac / 5A @ 24 Vdc

Initial contact resistance : 50 mΩ max

Insulation resistance : 1 GΩ 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

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

Protection grade to IP67 - frontpanel

Compliant with IEC60947-5-1 standard
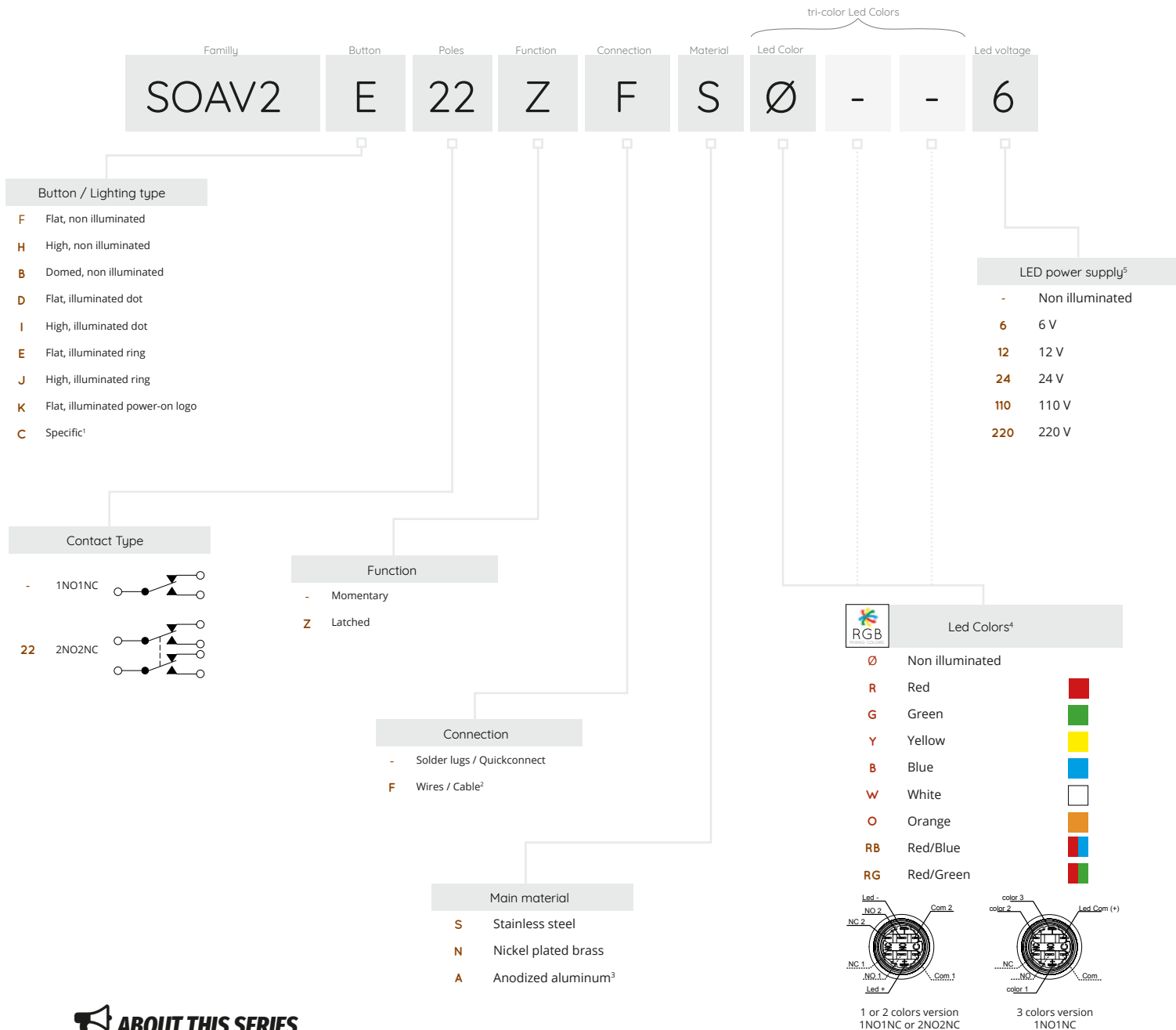
Compliant with GB14048.5 standard

📋 GENERAL SPECIFICATIONS

Typical drilling diameter : 16.5mm

Panel thickness : 15mm max.

Minimum pitch for matrix installation : 24 x 24 mm

Hand soldering : 300°C max. during 5 seconds

Reach friendly   RoHS✓   service U.DESIGN   RGB MIXING COLORS

🔧 BUILD YOUR PART NUMBER

tri-color Led Colors

Familly	Button	Poles	Function	Connection	Material	Led Color			Led voltage
SOAV2	E	22	Z	F	S	Ø	-	-	6

Button / Lighting type

F	Flat, non illuminated
H	High, non illuminated
B	Domed, non illuminated
D	Flat, illuminated dot
I	High, illuminated dot
E	Flat, illuminated ring
J	High, illuminated ring
K	Flat, illuminated power-on logo
C	Specific[1]

LED power supply[5]

-	Non illuminated
6	6 V
12	12 V
24	24 V
110	110 V
220	220 V

Contact Type

-	1NO1NC
22	2NO2NC

Function

-	Momentary
Z	Latched

Connection

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

Main material

S	Stainless steel
N	Nickel plated brass
A	Anodized aluminum[3]

Led Colors[4]

Ø	Non illuminated	
R	Red	🟥
G	Green	🟩
Y	Yellow	🟨
B	Blue	🟦
W	White	⬜
O	Orange	🟧
RB	Red/Blue	🟥🟦
RG	Red/Green	🟥🟩

1 or 2 colors version
1NO1NC or 2NO2NC

3 colors version
1NO1NC

📢 ABOUT THIS SERIES

[1] 🪄 U.DESIGN service: custom button design, custom marking, **custom illuminated logo** on request
[2] 🪄 U.DESIGN service : custom wiring and harness upon request.
[3] Anodized aluminum with custom color upon request and subject to MOQ.
[4] Led Colors :
    - for 1 or 2 colors version, please select colors from the list .For bi-color Leds (RG or RB), color change is operated with LED polarity swapping.
    - for 3 colors, **1NO1NC version only**, select 3 desired colors from the list. Common power supply is made through the Cathod.
    - **High intensity LED available on request**
[5] Built-in protection resistor. Other LED voltages possible upon request.

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

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

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

⛁ CONFIGURATION EXAMPLES

FLAT BUTTON - NON LIT - 1NO/1NC

SOAV2FS
stainless steel, momentary

SOAV2FZS
stainless steel, maintained

41
32.8
20
Ø17.8
M16x1
Ø11.7
21.9
19
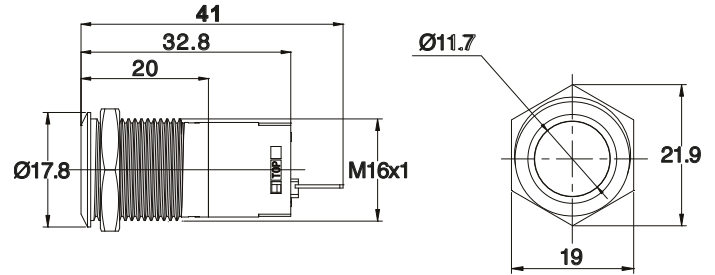
HIGH BUTTON - NON LIT - 1NO/1NC

SOAV2HS
stainless steel, momentary

SOAV2HZS
stainless steel, maintained

41
32.8
20
Ø17.8 Ø11.7
M16x1
Ø11.7
21.9
19
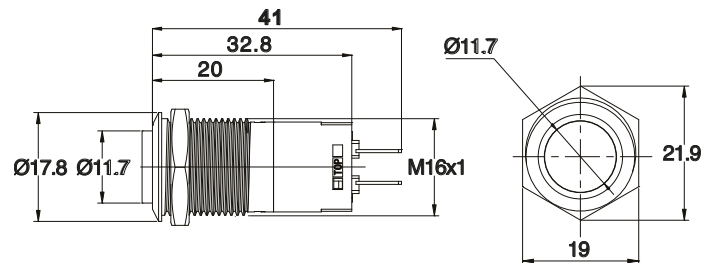
FLAT BUTTON - LIT RING - 1NO/1NC

SOAV2ES••
stainless steel, momentary

SOAV2EZS••
stainless steel, maintained

• *please choose LED color and voltage in Build your part number section,*

41
32.8
20
Ø17.8
M16x1
Ø9.5
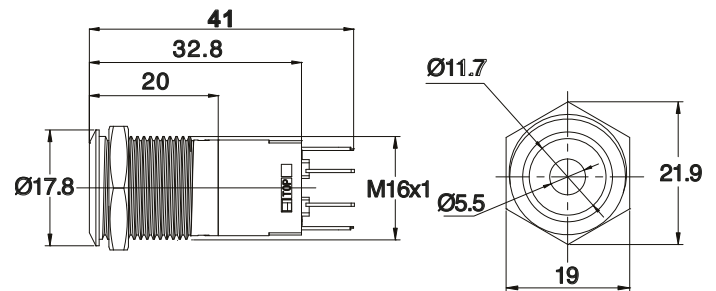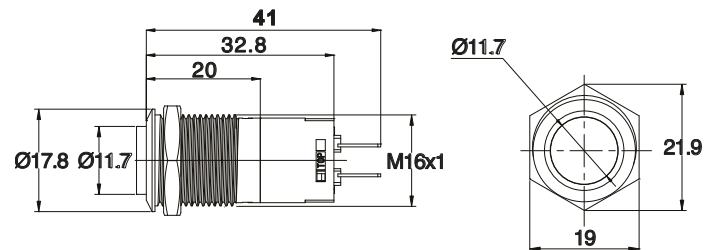21.9
19

FLAT BUTTON - LIT DOT - 1NO/1NC

SOAV2DS••

stainless steel, momentary

SOAV2DZS••

stainless steel, maintained

• *please choose LED color and voltage in Build your part number section,*

41
32.8
20
Ø17.8
M16x1
Ø11.7
Ø5.5
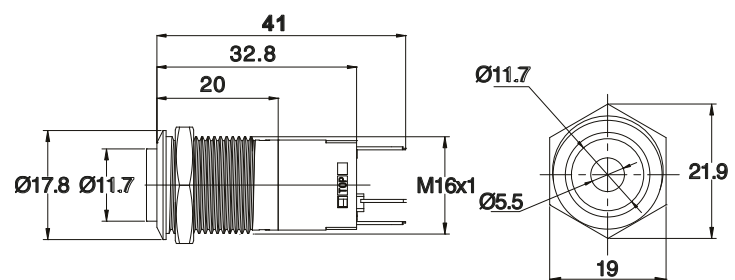21.9
19

HIGH BUTTON - LIT RING - 1NO/1NC

SOAV2JS••

stainless steel, momentary

SOAV2JZS••

stainless steel, maintained

• *please choose LED color and voltage in Build your part number section,*

41
32.8
20
Ø17.8 Ø11.7
M16x1
Ø11.7
21.9
19

HIGH BUTTON - LIT DOT - 1NO/1NC

SOAV2IS••

stainless steel, momentary

SOAV2IZS••

stainless steel, maintained

• *please choose LED color and voltage in Build your part number section,*

41
32.8
20
Ø17.8 Ø11.7
M16x1
Ø11.7
Ø5.5
21.9
19

FLAT BUTTON - ILLUMINATED LOGO ⏻ - 1NO/1NC - 1NO/1NC
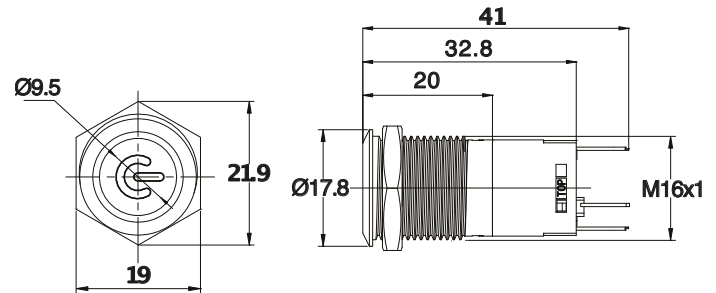
SOAV2KS••

stainless steel, momentary

SOAV2KZS••

stainless steel, maintained

• *please choose LED color and voltage in Build your part number section,*

Ø9.5

Ø17.8

21.9

19

41

32.8

20

M16x1

🖧 *ACCESSORIES & OPTIONS*

QUICK CONNECTOR

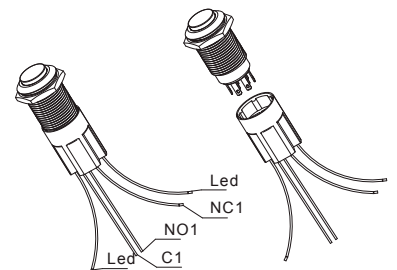|		SOAV2	
		1 NONC	**2NONC**
	NO ILLUMINATION	SOAC2-3P-15	SOAC2-6P-15
Couleurs de LED	🟨🟦⬜🟩🟥🟧🟩🟦	SOAC2-5P-15	SOAC2-8P-15
	🟥🟩🟦	SOAC3-8P-15	N/A

Caractéristiques des fils : multibrin section 1,5mm²

SOAC2-C : boîtier connecteur vide **/ SOAC3-M :** cosse 2.8 pour boîtier SOAC2-C

Led
NC1
NO1
Led   C1

80-000217

Knurled nut
nickeled brass M16x1

🪄 U.DESIGN

taylor made wiring

Custom designed wiring
MOQ required

example of a specific wiring made on request on a SOAV2DNB12 pushbutton type

Illuminated customized logo
MOQ required
no technical fees