

22MM PLASTIC ROUND COMPLETE UNIT COMBINATION:
ILLUMINATED PUSHBUTTON WITH FLAT BUTTON ILLUMINATED
WITH LAMP HOLDER BA 9S WITH LAMP 24V AC/DC SCREW
TERMINAL, 1NO+1NC OPERATIONAL VOLTAGE 24V AC/DC
WITH HOLDER YELLOW

Design of the product	Complete unit round
Enclosure:	
Shape of the enclosure front	round
Material of the enclosure	plastic
Number of command points	1
Actuator:	
Design of the operating mechanism	Illuminated pushbutton
Manner of function of the actuating element	Momentary contact type
Product extension optional Light source	Yes
Color	
• of the actuating element	Yellow
Material of the actuating element	plastic
Shape of the actuating element	Flat pushbutton
Type of unlocking device	without
Number of switching positions	2
Front ring:	
Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	plastic
Color of the front ring	black
Holder:	
Material of the holder	Plastic
Contact block/ lampholder:	
Mounting type	BA 9s with lamp
Number of lampholders	1
Number of switching elements	1
General technical data:	
Product function	
• positive opening	Yes
• EMERGENCY STOP function	No
Product component	
• Light source	Yes

Protection class IP	IP66
Vibration resistance	
• acc. to IEC 60068-2-6	20 ... 200 Hz: 5g
Operating frequency maximum	1 000 1/h
Mechanical service life (switching cycles)	
• typical	3 000 000
Equipment marking	
• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	S
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S

Supply voltage:

Type of voltage of the supply voltage	
• of the light source	AC/DC
Supply voltage 1 of the light source at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
Supply voltage 1 of the light source at DC	
• rated value	24 V
Relative negative tolerance of the supply voltage	-15 %
Relative positive tolerance of the supply voltage	10 %

Auxiliary circuit:

Number of NC contacts	
• for auxiliary contacts	1
Number of NO contacts	
• for auxiliary contacts	1
Number of CO contacts	
• for auxiliary contacts	0
Consumed current for rated value of supply voltage maximum	80 mA
Operating current at AC-12	
• at 24 V rated value	10 A
• at 48 V rated value	10 A
• at 110 V rated value	10 A
• at 230 V rated value	10 A
• at 400 V rated value	10 A
Operating current at AC-15	
• at 24 V rated value	6 A
• at 48 V rated value	6 A
• at 110 V rated value	6 A
• at 230 V rated value	6 A
• at 400 V rated value	3 A

Operating current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	5 A
• at 110 V rated value	2.5 A
• at 230 V rated value	1 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 48 V rated value	1.5 A
• at 110 V rated value	0.7 A
• at 230 V rated value	0.3 A
Connections/ Terminals:	
Type of electrical connection	screw-type terminals
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Ambient conditions:	
Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3K6
Installation/ mounting/ dimensions:	
Mounting type	front mounting
Shape of the installation opening	round
Mounting diameter	22 mm
Mounting height	8 mm
Installation width	28.5 mm
Installation depth	63 mm
Accessories:	
Product component holder for 3 switching elements	Yes
Certificates/approvals	

General Product Approval		Declaration of Conformity	Test Certificates	Shipping Approval	
 CSA	 EAC	 EG-Konf.	spezielle Prüfbescheinigungen <u>n</u>	 ABS	 DNV

Shipping Approval			other		
 LRS	 PRS	 RINA	Bestätigungen	sonstig	Umweltbestätigung

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SB3221-0AA31>

Cax online generator

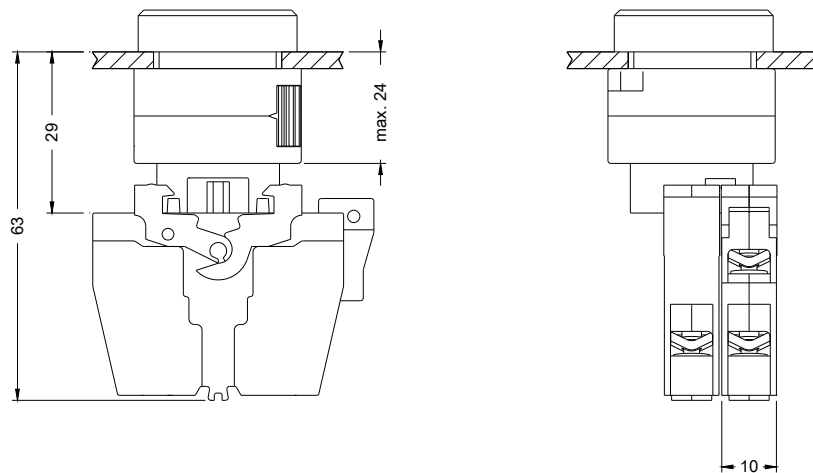
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3221-0AA31>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SB3221-0AA31>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3221-0AA31&lang=en



last modified:

10/07/2016