## **SIEMENS**

**Product data sheet** 

3SB3201-2KA71-0AB0

22MM PLASTIC ROUND COMPLETE UNIT COMBINATION: SELECTOR SWITCH CUSTOM MADE LATCHING 2 SWITCH POSITIONS O-I ILLUMINATED WITH LAMP HOLDER BA 9S WITH LAMP 2.6W;110-130V AC/DC SCREW TERMINAL, 1NO WITH HOLDER CLEAR

Actuator:				
Design of the product	Complete unit round			
Design of the operating mechanism	selector switch			
Functionality / of the actuator	Latching			
Type of unlocking device	rotate-to-unlatch mechanism			
Color / of the activation element	Clear			
Material / of the activation element	plastic			
Number of switching positions	2			
Product component / front ring	Yes			
Material / of the front ring	plastic			
Color / of the front ring	black			
Design of the front ring	Standard			
Product function / EMERGENCY STOP function	No			
Holder:				
Material / of the holder	Plastic			
Contact block/ lampholder:				
Design of the electrical connection	screw-type terminals			
Number of switching elements				
	1			
Number of NC contacts / for auxiliary contacts	0			
Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts				
<u> </u>	0			
Number of NO contacts / for auxiliary contacts	0 1			
Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts	0 1 0			
Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Product function / positive opening	0 1 0 No			
Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Product function / positive opening  Number of lampholders	0 1 0 No 0			
Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Product function / positive opening  Number of lampholders  Execution of the mounting	0 1 0 No 0 BA 9s, with lamp			
Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Product function / positive opening  Number of lampholders  Execution of the mounting  Product component / fluorescent materials	0 1 0 No 0 BA 9s, with lamp Yes			

Votage type / of operating votage   AC/DC	General technical data:		
Maximum	Voltage type / of operating voltage		AC/DC
• maximum         V         400           Operating current • at AC-12 • at 24 V / rated value • at 48 V / rated value • at 148 V / rated value • at 100 V / rated value • at 100 V / rated value • at 230 V / rated value • at 400 V / rated value • at 400 V / rated value • at 44 V / rated value • at 48 V / rated value • at 48 V / rated value • at 100 V / rated value • at 100 V / rated value • at 100 V / rated value • at 230 V / rated value • at 230 V / rated value • at 24 V / rated value • at 24 V / rated value • at 400 V / rated value • at 48 V / rated value • at 24 V / rated value • at 24 V / rated value • at 30 V / rated value • at 10 C-12 • at 24 V / rated value • at 10 V / rated value • at 10 V / rated value • at 230 V / rated value • at 10 V / rated value • at 230 V	Operating voltage / rated value		
Operating current         • at AC-12           • at AC-12         • at 24 V/ rated value         A         10           • at 48 V/ rated value         A         10           • at 110 V/ rated value         A         10           • at 230 V/ rated value         A         10           • at 24 V/ rated value         A         10           • at 24 V/ rated value         A         6           • at 24 V/ rated value         A         6           • at 230 V/ rated value         A         6           • at 230 V/ rated value         A         6           • at 400 V/ rated value         A         3           • at 24 V/ rated value         A         10           • at 24 V/ rated value         A         5           • at 100 V/ rated value         A         5           • at 230 V/ rated value         A         1           • at 24 V/ rated value         A         1,5           • at 24 V/ rated value         A	• minimum	٧	5
• at AC-12 • at 24 V / rated value • at 48 V / rated value • at 48 V / rated value • at 110 V / rated value • at 230 V / rated value • at 230 V / rated value • at 24 V / rated value • at 24 V / rated value • at 48 V / rated value • at 110 V / rated value • at 110 V / rated value • at 230 V / rated value • at 240 V / rated value • at 48 V / rated value • at 330 V / rated value • at 24 V / rated value • at 25 V / rated value • at 25 V / rated value • at 27 V / rated value • at 28 V / rated value • at 29 V / rated value • at 30 V /	• maximum	V	400
* at 24 V / rated value	Operating current		
** at 48 V / rated value	• at AC-12		
• at 110 V / rated value       A       10         • at 230 V / rated value       A       10         • at 400 V / rated value       A       10         • at 24 V / rated value       A       6         • at 48 V / rated value       A       6         • at 110 V / rated value       A       6         • at 230 V / rated value       A       6         • at 24 V / rated value       A       5         • at 24 V / rated value       A       5         • at 230 V / rated value       A       1         • at 24 V / rated value       A       1         • at 24 V / rated value       A       1         • at 250 V / rated value       A       1.5         • at 110 V / rated value       A       1.5         • at 230 V / rated value       A       1.5         • at 230 V / rated value       A       0.7         • at 230 V / rated value       A       0.3         • at 230 V / rated value       A       0.3         • at 230 V / rated value       A       0.3         • at 230 V / rated value       A       0.3         • at 230 V / rated value       A       0.3         • at 25 Cancel against vibration / according to	• at 24 V / rated value	Α	10
* at 230 V / rated value	• at 48 V / rated value	Α	10
• at 400 V / rated value • at AC-15 • at 24 V / rated value • at 48 V / rated value • at 48 V / rated value • at 230 V / rated value • at 230 V / rated value • at 24 V / rated value • at 224 V / rated value • at 110 V / rated value • at 230 V / rated value • at 25 • at 24 V / rated value • at 48 V / rated value • at 48 V / rated value • at 48 V / rated value • at 230 V / rated value • at 48 V / rated value • at 30 V / rated value • at 230 V / rated value • at 25 V / rated value • at 26 V / rated value • at 27 V / rated value • at 28 V / rated value • at 29 V / rated value • at 20 V / r	• at 110 V / rated value	Α	10
• at AC-15  • at 24 V / rated value • at 48 V / rated value • at 110 V / rated value • at 230 V / rated value • at 400 V / rated value • at 24 V / rated value • at 24 V / rated value • at 25 V / rated value • at 27 V / rated value • at 28 V / rated value • at 29 V / rated value • at 29 V / rated value • at 29 V / rated value • at 20 V / rated value • at 30 V / rat	• at 230 V / rated value	Α	10
* at 24 V / rated value  * at 48 V / rated value  * at 110 V / rated value  * at 230 V / rated value  * at 400 V / rated value  * at 24 V / rated value  * at 25 V / rated value  * at 25 V / rated value  * at 20 V / rated value  * at 24 V / rated value  * at 24 V / rated value  * at 24 V / rated value  * at 25 V / rated value  * at 20 V / rated value  * at 24 V / rated value  * at 3 V / rated value  * at 3 V / rated value  * at 48 V / rated value  * at 30 V / rated value  * at 230 V / rated value  * at 30 0.000  **Resistance against vibration / according to IEC 60068-2-6  **Operating cycles / maximum  **I/h 1,000  **Mechanical operating cycles as operating time / typical  **Reference code  * according to DIN EN 61346-2  * according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  **According to DIN 40719 extended according to IEC 204-2 / according to IEC 750	• at 400 V / rated value	Α	10
* at 48 V / rated value  * at 1110 V / rated value  * at 230 V / rated value  * at 400 V / rated value  * at 400 V / rated value  * at 24 V / rated value  * at 48 V / rated value  * at 110 V / rated value  * at 110 V / rated value  * at 230 V / rated value  * at 230 V / rated value  * at 24 V / rated value  * at 25  * at 24 V / rated value  * at 110 V / rated value  * at 110 V / rated value  * at 20 V / rated value  * at 20 V / rated value  * at 20 V / rated value  * at 48 V / rated value  * at 48 V / rated value  * at 3  * at 24 V / rated value  * at 3  * at 230 V / rated value  * at 3  * at 230 V / rated value  * at 3  * at 24 V / rated value  * at 3  * 3  * 4. 1.5  * 4. 1.5  * 5  * S  * S  * S  * S  * S  * S  *	• at AC-15		
*at 110 V / rated value  *at 230 V / rated value  *at 400 V / rated value  *at 400 V / rated value  *at 24 V / rated value  *at 24 V / rated value  *at 3	• at 24 V / rated value	Α	6
* at 230 V / rated value  * at 400 V / rated value  * at DC-12  * at 24 V / rated value  * at 24 V / rated value  * at 30 V / rated value  * at 230 V / rated value  * at 24 V / rated value  * at 3	• at 48 V / rated value	А	6
• at 400 V / rated value       A       3         • at DC-12       A       10         • at 24 V / rated value       A       5         • at 110 V / rated value       A       2.5         • at 230 V / rated value       A       1         • at DC-13       A       1         • at 24 V / rated value       A       3         • at 48 V / rated value       A       1.5         • at 110 V / rated value       A       0.7         • at 230 V / rated value       A       0.3         Resistance against shock         • for devices with incandescent lamp / according to IEC 60068-2-2       <= 30g	• at 110 V / rated value	Α	6
• at DC-12  • at 24 V / rated value  • at 48 V / rated value  • at 110 V / rated value  • at 230 V / rated value  • at DC-13  • at 24 V / rated value  • at DC-13  • at 24 V / rated value  • at 48 V / rated value  • at 48 V / rated value  • at 48 V / rated value  • at 110 V / rated value  • at 3  • at 24 V / rated value  • at 30 V / rated value  • 10 V / rated value  • 20 V / rated value  • 50 V / rated value  • 60 V / rated value  • 10 V / rated value  • 20 V / rated value  • 20 V / rated value  Resistance against vibration / according to IEC 60068-2-  27  Resistance against vibration / according to IEC 60068-2-  27  Resistance against vibration / according to IEC 60068-2-  27  Reference code  • according to DIN EN 61346-2  • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750	• at 230 V / rated value	Α	6
• at 24 V / rated value       A       10         • at 48 V / rated value       A       5         • at 110 V / rated value       A       2.5         • at 230 V / rated value       A       1         • at DC-13       A       1.5         • at 48 V / rated value       A       0.7         • at 110 V / rated value       A       0.7         • at 230 V / rated value       A       0.3         Resistance against shock         • for devices with incandescent lamp / according to IEC 60068-2-27       <= 30g	• at 400 V / rated value	Α	3
• at 48 V / rated value       A       5         • at 110 V / rated value       A       2.5         • at 230 V / rated value       A       1         • at DC-13       A       3         • at 24 V / rated value       A       1.5         • at 110 V / rated value       A       0.7         • at 230 V / rated value       A       0.3         Resistance against shock         • for devices with incandescent lamp / according to IEC 60068-2-27       <= 30g	• at DC-12		
<ul> <li>at 110 V / rated value</li> <li>at 230 V / rated value</li> <li>at 24 V / rated value</li> <li>at 24 V / rated value</li> <li>at 48 V / rated value</li> <li>at 110 V / rated value</li> <li>at 110 V / rated value</li> <li>at 230 V / rated value</li> <li>at 230 V / rated value</li> <li>for devices with incandescent lamp / according to IEC 60068-2-27</li> <li>Resistance against vibration / according to IEC 60068-2-6</li> <li>Operating cycles / maximum</li> <li>1/h</li> <li>1,000</li> <li>Mechanical operating cycles as operating time / typical</li> <li>Reference code</li> <li>according to DIN EN 61346-2</li> <li>according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> </ul>	• at 24 V / rated value	Α	10
at 230 V / rated value  at DC-13  at 24 V / rated value  at 48 V / rated value  at 230 V / rated value  A 0.7  A 0.3  Resistance against shock  for devices with incandescent lamp / according to IEC 60068-2-27  Resistance against vibration / according to IEC 60068-2-6  Operating cycles / maximum  Mechanical operating cycles as operating time / typical  Reference code  according to DIN EN 61346-2  according to DIN 40719 extended according to IEC 204-2 / according to IEC 750	• at 48 V / rated value	Α	5
at 24 V / rated value at 24 V / rated value at 48 V / rated value at 110 V / rated value at 230 V / rated value at 230 V / rated value  A 0.7  A 0.3  Resistance against shock for devices with incandescent lamp / according to IEC 60068-2-27  Resistance against vibration / according to IEC 60068-2-6  Operating cycles / maximum  Mechanical operating cycles as operating time / typical  Reference code according to DIN EN 61346-2 according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  A 1.5  A 0.7  A 0.3  C= 30g  Th 1,000  S  S  S  S  S  S  S  S  S  S  S  S	• at 110 V / rated value	Α	2.5
<ul> <li>at 24 V / rated value</li> <li>at 48 V / rated value</li> <li>at 110 V / rated value</li> <li>at 230 V / rated value</li> <li>at 230 V / rated value</li> <li>for devices with incandescent lamp / according to IEC 60068-2-27</li> <li>Resistance against vibration / according to IEC 60068-2-6</li> <li>Operating cycles / maximum</li> <li>Mechanical operating cycles as operating time / typical</li> <li>Reference code <ul> <li>according to DIN EN 61346-2</li> <li>according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> </ul> </li> <li>A 3</li> <li>A 1.5</li> <li>A 0.7</li> <li>A 0.3</li> </ul>	• at 230 V / rated value	Α	1
<ul> <li>at 48 V / rated value</li> <li>at 110 V / rated value</li> <li>at 230 V / rated value</li> <li>A 0.7</li> <li>A 0.3</li> <li>Resistance against shock</li> <li>for devices with incandescent lamp / according to IEC 60068-2-27</li> <li>Resistance against vibration / according to IEC 60068-2-6</li> <li>20 200 Hz: 5g</li> <li>Operating cycles / maximum</li> <li>1/h 1,000</li> <li>Mechanical operating cycles as operating time / typical</li> <li>Reference code</li> <li>according to DIN EN 61346-2</li> <li>according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> </ul>	• at DC-13		
• at 110 V / rated value     • at 230 V / rated value  Resistance against shock     • for devices with incandescent lamp / according to IEC 60068-2-27  Resistance against vibration / according to IEC 60068-2-6  Operating cycles / maximum  1/h  1,000  Mechanical operating cycles as operating time / typical  Reference code     • according to DIN EN 61346-2     • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  A  0.3			

during operating	°C	-25 +60
during storage	°C	-40 +80
Protection class IP		IP66
climatic class / during the operating phase / according to EN 60721		3K6
Mounting type		front mounting
Shape / of the installation hole		round
Installation width	mm	28.5
Mounting diameter	mm	22
Mounting height	mm	24
Mounting depth	mm	63

## Certificates/ approvals:

**General Product Approval** 

Declaration of Conformity

**Test Certificates** 









Special Test Certificate

## **Shipping Approval**











other

Confirmation

other

Environmental Confirmations

## Further information:

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

Cax online generator

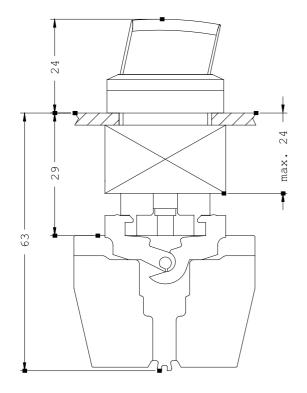
http://www.siemens.com/cax

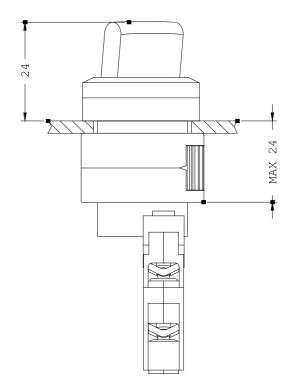
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SB3201-2KA71-0AB0/all

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

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