## **SIEMENS**

Product data sheet 3SB3201-1HR26

22MM PLASTIC ROUND COMPLETE UNIT COMBINATION: EMERGEN.-STOP MUSHR.PUSHB. 40MM LATCH.W. ROT.-TO-UNLATCH MECH. WITH YELLOW BACKING PLATE SCREW TERMINAL, 1NO+1NC WITH HOLDER RED INSCRIPTION: EMERGENCY STOP

Design of the product	Complete unit round with positive latching in accordance with ISO 13850			
Design of the operating mechanism	Emergency stop mushroom pushbutton			
Functionality / of the actuator	Latching			
Type of unlocking device	rotate-to-unlatch mechanism			
Color / of the activation element	Red			
Material / of the activation element	plastic			
Number of switching positions	2			
Product component / front ring	No			
Product function / EMERGENCY STOP function	Yes			
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	1			
Number of NO contacts / for auxiliary contacts	1			
Number of changeover contacts / for auxiliary contacts	0			
Product function / positive opening	Yes			
Number of lampholders	0			
Product component / fluorescent materials	No			
Product extension / optional / fluorescent materials	No			
Accessories:				
Marking / of backing plate	Yellow backing plate, inscription "EMERGENCY STOP"			
Product component / holder for 3 switching elements	No			

Operating votage / rated value         V         5           • minimum         V         6           • maximum         V         400           Operating current           • at AC-12         - at 24 V / rated value         A         10           • at 48 V / rated value         A         10           • at 420 V / rated value         A         10           • at 420 V / rated value         A         10           • at 480 V / rated value         A         10           • at 480 V / rated value         A         6           • at 48 V / rated value         A         6           • at 1400 V / rated value         A         6           • at 1400 V / rated value         A         6           • at 24 V / rated value         A         6           • at 24 V / rated value         A         5           • at 24 V / rated value         A         1           • at 24 V / rated value         A         1.5           • at 24 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	Voltage type / of operating voltage		AC/DC
* minimum         V         5           * characting current         V         400           * characting current         V         400           * characting current         V         400           * characting current         A         10           * characting current         A         6           * characting current         A         10           * characting current         A         5           * characting current <td></td> <td></td> <td>10.50</td>			10.50
• maximum         V         400           Operating current         - at AC-12         - at 24 V / rated value         A         10           • at 48 V / rated value         A         10         - at 100 V / rated value         A         10           • at 230 V / rated value         A         10         - at 240 V / rated value         A         10           • at 24 V / rated value         A         6         - at 240 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         6         - at 24 V / rated value         A         6           • at 24 V / rated value         A         5         - at 110 V / rated value         A         5           • at 230 V / rated value         A         1         - at 220 V / rated value         A         1           • at 220 V / rated value         A         1,5         - at 220 V / rated value         A         1,5           • at 220 V / rated value         A         0,3         - at 220 V / rated value         A         0,3           • at 220 V / rated value         A         0,3         - at 220 V / rated value         A         0,3		V	5
Operating current         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 400 V / rated value         A 10           • at 42 V / rated value         A 6           • at 48 V / rated value         A 6           • at 110 V / rated value         A 6           • at 110 V / rated value         A 6           • at 230 V / rated value         A 5           • at 24 V / rated value         A 5           • at 24 V / rated value         A 5           • at 110 V / rated value         A 5           • at 110 V / rated value         A 1           • at 230 V / rated value         A 1           • at 230 V / rated value         A 1           • at 230 V / rated value         A 1           • at 230 V / rated value         A 0,3           • at 230 V / rated value         A 0,3           • at 30 V / rated value         A 0,3           • at 30 V / rated value         A 0,3           • at 30 V / rated value         A 0,3           • at 230 V / rated value         A 0,3           • at 10 V / rated value         A 0,3 <td></td> <td></td> <td></td>			
- 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 230 V / rated value - at 24 V / rated value - at 48 V / rated value - at 230 V / rated value - at 24 V / rated value - at 230 V / rated value - at 200 V / rated value - at 20		_	100
* at 24 V / rated value			
• at 48 V / rated value         A         10           • at 110 V / rated value         A         10           • at 230 V / rated value         A         10           • at 400 V / rated value         A         10           • at 42 V / rated value         A         6           • at 48 V / rated value         A         6           • at 10 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 38 V / rated value         A         5           • at 110 V / rated value         A         5           • at 230 V / rated value         A         1           • at 230 V / rated value         A         1           • at 48 V / rated value         A         1.5           • at 48 V / rated value         A         1.5           • at 48 V / rated value         A         0.3           • at 48 V / rated value         A         0.3           • at 230 V / rated value         A         0.3           • at 230 V / rated value         A         0.3           • at 250 V / rated value		А	10
• at 110 V / rated value       A       10         • at 230 V / rated value       A       10         • at AC-16       A       10         • at 24 V / rated value       A       6         • at 24 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       3         • at 24 V / rated value       A       5         • at 230 V / rated value       A       5         • at 230 V / rated value       A       1         • at 24 V / rated value       A       1         • at 220 V / rated value       A       3         • at 24 V / rated value       A       3         • at 24 V / rated value       A       1.5         • 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 V / rated value       A       0.3         • at 25 V / rated value       A       0.2			
• at 230 V / rated value • at 400 V / rated value • at 400 V / rated value • at 400 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 480 V / rated value • at 400 V / rated value • at 400 V / rated value • at 400 V / rated value • at 230 V / rated value • at 110 V / rated value • at 110 V / rated value • at 230 V / rated value • at 33 V / rated value • at 33 V / rated value • at 30 V / rated value • at 30 V / rated value • at 230 V / rated value • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 230 V / rated value  • at 25 S S S S S S S S S S S S S S S S S S			
• at 400 V / rated value • at AC-15 • 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 400 V / rated value • at 250 V / rated value • at 48 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 24 V / rated value • at 230 V / rated value • at 24 V / rated value • at 24 V / rated value • at 30 V / rated value • at 230 V / rated value • at 250 V / rated value • at 110 V / rated value • at 250 V / rated			
• at AC-15 • 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 • at 24 V / rated value • at 230 V / rated value • at 230 V / rated value • at 24 V / rated value • at 110 V / rated value • at 230 V / rated value • at 230 V / rated value • at 230 V / rated value • at 25 • at 24 V / rated value • at 25 • at 24 V / rated value • at 25 •			
• at 24 V / rated value       A       6         • at 48 V / rated value       A       6         • at 230 V / rated value       A       6         • at 230 V / rated value       A       3         • at DC-12       A       10         • at 24 V / rated value       A       5         • at 48 V / rated value       A       5         • at 110 V / rated value       A       1         • at 230 V / rated value       A       1         • at 24 V / rated value       A       3         • at 48 V / rated value       A       1.5         • at 48 V / rated value       A       0.7         • at 48 V / rated value       A       0.3         • at 110 V / rated value       A       0.3         • at 30 V / rated value       A       0.3         • at 30 V / rated value       A       0.3         • at 230 V / rated value       A       0.7         • at 230 V / rated value       A       0.3         • according cycles without incandescent lamp / according to IEC 60068-2-6       20 200 Hz: 5g         Operating cycles / maximum       1/h       1,000         Mechanical operating cycles as operating time / typical       300,000			
• at 48 V / rated value       A       6         • at 230 V / rated value       A       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       1.5         • at 24 V / rated value       A       1.5         • at 110 V / rated value       A       0.7         • at 110 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 230 V / rated value       A       0.3         • for devices without incandescent lamp / according to IEC 60068-2-2        <= 50g		А	6
• at 110 V / rated value       A       6         • at 230 V / rated value       A       3         • at DC-12       A       10         • at 24 V / rated value       A       5         • at 48 V / rated value       A       2.5         • at 230 V / rated value       A       1         • at DC-13       A       1.5         • 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        <= 50g	at 48 V / rated value		
• at 230 V / rated value       A       6         • at DC-12       A       3         • at 24 V / rated value       A       10         • at 48 V / rated value       A       5         • at 110 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         • at 230 V / rated value       A       0.3         • for devices without incandescent lamp / according to IEC 60068-2-27       <= 50g	at 110 V / rated value		
* at 400 V / rated value  * at DC-12  * 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  * at 24 V / rated value  * at 24 V / rated value  * at 24 V / rated value  * at 12 V / rated value  * at 48 V / rated value  * at 48 V / rated value  * at 48 V / rated value  * at 110 V / rated value  * at 230 V / rated value  * but 110 V / rated value  * cording to lice 60068-2-6   * Coperating cycles / maximum  * 1/h  * 1,000  * 1,000  * 20 200 Hz: 5g  * Coperating to DIN EN 61346-2  * according to DIN EN 61346-2  * according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  * Tightening torque / of the screws in the bracket / maximum  * N-m  * A	at 230 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 * at 24 V / rated value * at 24 V / rated value * at 24 V / rated value * at 48 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 0.7 * at 230 V / rated value * A 0.3  * Resistance against shock * for devices without incandescent lamp / according to IEC 60068-2-27  * 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  * Tightening torque / of the screws in the bracket / maximum  * N·m 1  * Ambient temperature	• at 400 V / rated value	Α	3
at 48 V / rated value at 230 V / rated value A 2.5  at 230 V / rated value A 1  at 24 V / rated value A 3  at 24 V / rated value A 1.5  at 110 V / rated value A 1.5  at 110 V / rated value A 0.7  at 230 V / rated value A 0.7  at 230 V / rated value A 0.3  Resistance against shock for devices without incandescent lamp / according to IEC 60068-2-27  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  Tightening torque / of the screws in the bracket / maximum  Ambient temperature	• at DC-12		
at 110 V / rated value at 230 V / rated value at DC-13  at 24 V / rated value A A A A A A A A A A A A A A A A A A A	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 48 V / rated value  at 1.5  at 110 V / rated value  at 230 V / rated value  at 230 V / rated value  at 230 V / rated value  before devices without 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  Tightening torque / of the screws in the bracket / maximum  N-m  1  Ambient temperature	at 48 V / rated value	Α	5
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  befor devices without 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  Tightening torque / of the screws in the bracket / maximum  N-m  Ambient temperature	• 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>for devices without 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>Tightening torque / of the screws in the bracket / maximum</li> <li>N·m</li> <li>Ambient temperature</li> </ul>	• at 230 V / rated value	А	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 0.3</li> </ul> Resistance against shock <ul> <li>for devices without incandescent lamp / according to IEC 60068-2-27</li> </ul> Resistance against vibration / according to IEC 60068-2-6 <ul> <li>Operating cycles / maximum</li> <li>1/h</li> <li>1,000</li> </ul> Mechanical operating cycles as operating time / typical <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> Tightening torque / of the screws in the bracket / maximum <ul> <li>N·m</li> <li>1</li> </ul> Ambient temperature <ul> <li>A 1.5</li> <li>0.7</li> <li>0.7</li> <li>0.3</li> </ul> S <ul> <li>S</li> </ul> S <ul> <li>S <ul> <li>S</li> </ul> Tightening torque / of the screws in the bracket / maximum <ul> <li>N·m</li> <li>1</li> </ul> Ambient temperature <ul> <li>A</li> <li>D.7</li> <li>D.7</li> <li>D.7</li> <li>D.7</li> </ul> Ambient temperature <ul> <li>A</li> </ul> D.8 <ul> <li>D.7</li> <li>D.7</li> <li>D.7</li> <li>D.7</li> <li>D.7</li> <li>D.7</li> </ul> A 1 A 2.5 <ul> <li>A</li> <li>D.7</li> <li>D.7</li></ul></li></ul>	• at DC-13		
at 110 V / rated value  at 230 V / rated value  A 0.3  Resistance against shock  • for devices without 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  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	• at 24 V / rated value	Α	3
• at 230 V / rated value  Resistance against shock • for devices without 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  Tightening torque / of the screws in the bracket / maximum  N-m  1  Ambient temperature	• at 48 V / rated value	Α	1.5
Resistance against shock  • for devices without 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  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	• at 110 V / rated value	Α	0.7
• for devices without 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  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	• at 230 V / rated value	Α	0.3
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  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	Resistance against shock		
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  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	, , , ,		<= 50g
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  Tightening torque / of the screws in the bracket / maximum  N·m 1  Ambient temperature	Resistance against vibration / according to IEC 60068-2-6		20 200 Hz: 5g
Reference code  • according to DIN EN 61346-2  • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	Operating cycles / maximum	1/h	1,000
according to DIN EN 61346-2     according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  Tightening torque / of the screws in the bracket / maximum  N·m  1  Ambient temperature	Mechanical operating cycles as operating time / typical		300,000
according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  Tightening torque / of the screws in the bracket / maximum  Ambient temperature  S  Ambient temperature	Reference code		
according to IEC 750  Tightening torque / of the screws in the bracket / maximum N·m 1  Ambient temperature	according to DIN EN 61346-2		S
Ambient temperature			S
	Tightening torque / of the screws in the bracket / maximum	N-m	1
• during operating °C -25 +70	Ambient temperature		
	during operating	°C	-25 +70

during storage	°C	-40 +80
Protection class IP		IP66
B10 value / with high demand rate / according to SN 31920		100,000
Proportion of dangerous failures		
• with high demand rate / according to SN 31920	%	20
with low demand rate / according to SN 31920	%	20
Failure rate [FIT] / with low demand rate / according to SN 31920	FIT	100
T1 value / for proof test interval or service life / according to IEC 61508	а	20
climatic class / during the operating phase / according to EN 60721		3K6
Mounting type		front mounting
Shape / of the installation hole		round
Installation width	mm	40.5
Mounting diameter	mm	22
Mounting height	mm	49
Mounting depth	mm	63

## Certificates/ approvals:

General Product Approval **Declaration of Conformity** 





## **Shipping Approval**











## 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

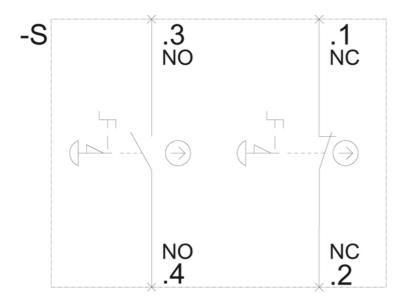
http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3SB3201-1HR26/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SB3201-1HR26



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