## **SIEMENS**

Data sheet 3SB2455-0J



Contact block, 1 NO, 1 NC, soldering pin connection

product brand name   SIRIUS   product to gination   contact block   product type designation   3SB2   Contact block/ Iamphotder   number of Iamphotders   0   Contact block/ Iamphotders   product function positive opening   Yes   suitability for integration   type of voltage   of the operating voltage   AC/DC   of the enclosure   IP40   of the enclosure   IP40   of the enclosure   IP40   of the enclosure   IP40   of the terminal   IP00   Vibration resistance according to IEC 60068-2-6   20 200 Hz: 5g   reference code according to IEC 81346-2   S Substance Prohibitance (Date)   07/01/2006   Orporating voltage   o at AC	needuct brand name	CIDILIC
conact block/ lampholder           Conact block/ lampholders           0           Central technical data           product function positive opening         Yes           suitability for integration           type of voltage           • of the operating voltage         AC/DC           • of the enclosure         IP40           • of the terminal         IP00           vibration resistance according to IEC 60068-2-6         20 200 Hz. 5g           reference code according to IEC 81346-2         S           Substance Prohibitance (Date)         07/01/2006           operating voltage         • at AC           — at 50 Hz rated value         5 230 V           — at 60 Hz rated value         5 230 V           • at DC rated value         5 230 V           • at DC rated value         1           • number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           number of VC contacts for auxiliary contacts         1           operational current at AC-12         1           • at 24 V rated value         10 A           • at 24 V rated value         10 A           • at	·	
Contact block/ lampholder         0           Ceneral technical data         Concentrate technical data           product function positive opening         Yes           suitability for integration         pushbutton / selector button           type of voltage         AC/DC           protection class IP         For the enclosure           of the enclosure         IP40           of the terminal         IP00           vibration resistance according to IEC 80088-2-6         20 200 Hz; 5g           reference code according to IEC 81346-2         S           Substance Prohibitance (Date)         07/01/2006           operating voltage         4 AC           at AC         3 230 V           - at 60 Hz rated value         5 230 V           - at 60 Hz rated value         5 230 V           - at 10 C rated value         5 230 V           Auxiliary circuit         1           number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           operational current at AC-12         10 A           at 24 V rated value         10 A           at 24 V rated value         10 A		
Number of lampholders   Product function positive opening   Yes		3SB2
product function positive opening Yes suitability for integration pushbutton / selector button  type of voltage  • of the operating voltage AC/DC  protection class IP  • of the enclosure • of the terminal IP00  vibration resistance according to IEC 60068-2-6 20 200 Hz. 5g  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 07/01/2006  operating voltage  • at AC  — at 50 Hz rated value • at DC rated value • at DC rated value • at DC roundats for auxillary contacts  number of NC contacts for auxillary contacts  number of NC contacts for auxillary contacts  operational current at AC-12  • 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 24 V rated value • at 230 V rated value		
product function positive opening suitability for integration type of voltage of the operating voltage AC/DC  protection class IP of the enclosure of the terminal IP00 vibration resistance according to IEC 60068-2-6 reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage  at AC  - at 50 Hz rated value - at 60 Hz rated value billiary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts operational current at AC-12 at 10 V rated value at 24 V rated value at 23 V vated value at 24 V rated value at 25 A at 410 V vated value at 25 A at 410 V vated value at 25 A at 24 V vated value at 25 A at 23 V vated value	·	0
suitability for integration         pushbutton / selector button           type of voltage         AC/DC           • of the operating voltage         AC/DC           protection class IP         IP40           • of the enclosure         IP40           • of the terminal         IP00           vibration resistance according to IEC 60068-2-6         20200 Hz; 5g           reference code according to IEC 81346-2         S           Substance Prohibitance (Date)         07/01/2006           operating voltage         at AC           — at 50 Hz rated value         5230 V           — at 60 Hz rated value         5230 V           • at DC rated value         5230 V           • at DC rated value         5230 V           Auxillary circuit         1           number of NC contacts for auxillary contacts         1           number of NC contacts for auxillary contacts         1           number of CO contacts for auxillary contacts         0           operational current at AC-12         10 A           • at 24 V rated value         10 A           • at 230 V rated value         10 A           • at 24 V rated value         4 A           • at 230 V rated value         4 A           • at 24 V rated		
• of the operating voltage		
• of the operating voltage  protection class IP  • of the enciosure • of the terminal IP00  vibration resistance according to IEC 60068-2-6 20 200 Hz; 5g reference code according to IEC 81346-2 Substance Prohibitance (Date) 07/01/2006  operating voltage • at AC  — at 50 Hz rated value 5 230 V • at DC rated value 10 Contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current at AC-12 • at 24 V rated value • at 60 V rated value 10 A • at 230 V rated value 10 A • at 230 V rated value • at 110 V rated value 10 A • at 230 V rated value 4 A • at 210 V rated value 4 A • at 230 V rated value 4 A • at 230 V rated value 4 A • at 24 V rated value 4 A • at 24 V rated value 4 A • at 24 V rated value 5 A • at 24 V rated value 4 A • at 250 V rated value 4 A • at 270 V rated value 5 A • at 28 V rated value 4 A • at 28 V rated value 5 A • at 28 V rated value 4 A • at 210 V rated value 5 A • at 28 V rated value 9 A • at 28 V rated value 9 A • at 29 V rated value 9 A • at 20 V rated value 9 A • at 20 V rated value 9 A • at 23 V rated value 9 A • at 24 V rated value 9 A • at 28 V rated value 9 A		pushbutton / selector button
protection class IP	type of voltage	
● of the enclosure ● of the terminal   P00		AC/DC
• of the terminal IPO0  vibration resistance according to IEC 60068-2-6 20 200 Hz: 5g  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 07/01/2006  operating voltage  • at AC  — at 50 Hz rated value 5 230 V — at 60 Hz rated value 5 230 V  Auxiliary circuit  number of NC contacts for auxiliary contacts 1  number of NC contacts for auxiliary contacts 1  number of CO contacts for auxiliary contacts 1  number of CO contacts for auxiliary contacts 0  operational current at AC-12  • at 24 V rated value 10 A • at 60 V rated value 10 A • at 110 V rated value 10 A • at 230 V rated value 10 A • at 24 V rated value 4 A • at 24 V rated value 4 A • at 230 V rated value 4 A • at 24 V rated value 5 A • at 25 V rated value 5 A • at 25 V rated value 5 A • at 25 V rated value 5 A • at 26 V rated value 5 A • at 27 V rated value 5 A • at 28 V rated value 5 A • at 29 V rated value 5 A • at 20 V rated value 5 A	protection class IP	
vibration resistance according to IEC 60068-2-6         20 200 Hz: 5g           reference code according to IEC 81346-2         S           Substance Prohibitance (Date)         07/01/2006           operating voltage         • at AC           — at 50 Hz rated value         5 230 V           — at 60 Hz rated value         5 230 V           • at DC rated value         5 230 V           Auxiliary circuit         1           number of NC contacts for auxiliary contacts         1           number of CO contacts for auxiliary contacts         0           operational current at AC-12         0           • at 24 V rated value         10 A           • at 230 V rated value         10 A           • at 230 V rated value         10 A           • at 230 V rated value         4 A           • at 24 V rated value         4 A           • at 230 V rated value         4 A           • at 230 V rated value         4 A           • at 24 V rated value         4 A           • at 24 V rated value         5 A           • at 24 V rated value         5 A           • at 300 V rated value         5 A           • at 300 V rated value         5 A           • at 300 V rated value         5 A	<ul> <li>of the enclosure</li> </ul>	IP40
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 07/01/2006  operating voltage	of the terminal	IP00
Substance Prohibitance (Date)       07/01/2006         operating voltage       at AC         — at 50 Hz rated value       5 230 V         — at 60 Hz rated value       5 230 V         • at DC rated value       5 230 V         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         operational current at AC-12       0         • at 24 V rated value       10 A         • at 60 V rated value       10 A         • at 110 V rated value       10 A         • at 230 V rated value       4 A         • at 24 V rated value       4 A         • at 230 V rated value       4 A         • at 230 V rated value       4 A         • at 24 V rated value       5 A         • at 26 V rated value       5 A         • at 270 V rated value       5 A         • at 28 V rated value       5 A         • at 29 V rated value <th>vibration resistance according to IEC 60068-2-6</th> <th>20 200 Hz: 5g</th>	vibration resistance according to IEC 60068-2-6	20 200 Hz: 5g
operating voltage	reference code according to IEC 81346-2	S
• at AC     — at 50 Hz rated value	Substance Prohibitance (Date)	07/01/2006
- at 50 Hz rated value 5 230 V - at 60 Hz rated value 5 230 V  ♦ at DC rated value 5 230 V  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  operational current at AC-12  • at 24 V rated value 10 A • at 60 V rated value 10 A • at 230 V rated value 10 A  operational current at AC-15  • at 24 V rated value 4 A • at 110 V rated value 4 A  operational current at AC-15  • at 24 V rated value 4 A • at 230 V rated value 4 A  operational current at DC-12 • at 24 V rated value 5 A  operational current at DC-12 • at 24 V rated value 5 A  operational current at DC-12 • at 24 V rated value 5 A  operational current at DC-12 • at 24 V rated value 5 A  • at 110 V rated value 5 A  • at 230 V rated value 5 A  • at 230 V rated value 5 A  • at 230 V rated value 5 A	operating voltage	
- at 60 Hz rated value 5 230 V  • at DC rated value 5 230 V  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  operational current at AC-12  • at 24 V rated value 10 A • at 10 V rated value 10 A • at 230 V rated value 10 A  operational current at AC-15  • at 24 V rated value 4 A  operational current at AC-15  • at 24 V rated value 4 A • at 110 V rated value 4 A • at 230 V rated value 5 A  operational current at DC-12  • at 24 V rated value 5 A  operational current at DC-12 • at 24 V rated value 5 A  operational current at DC-12 • at 24 V rated value 5 A • at 100 V rated value 5 A • at 110 V rated value 5 A • at 230 V rated value 5 A	• at AC	
<ul> <li>at DC rated value</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>operational current at AC-12</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 10 A</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>at 24 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 24 V rated value</li> <li>at 250 V rated value</li> <li>at 24 V rated value</li> <li>at 25 A</li> <li>at 110 V rated value</li> <li>at 25 A</li> <li>at 230 V rated value</li> <li>at 25 A</li> <li>at 230 V rated value</li> </ul>	— at 50 Hz rated value	5 230 V
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  operational current at AC-12  • at 24 V rated value  • at 60 V rated value  • at 110 V rated value  • at 230 V rated value  • at 24 V rated value  • at 24 V rated value  • at 24 V rated value  • at 250 V rated value  • at 260 V rated value  • at 270 V rated value	— at 60 Hz rated value	5 230 V
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of CO contacts for auxiliary contacts  0 operational current at AC-12  • at 24 V rated value  • at 60 V rated value  • at 110 V rated value  • at 230 V rated value  • at 24 V rated value  • at 24 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 29 V rated value  • at 20 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 20 V rated value	at DC rated value	5 230 V
number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  operational current at AC-12  • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 230 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 24 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 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 20 V rated value	Auxiliary circuit	
number of CO contacts for auxiliary contacts       0         operational current at AC-12       10 A         • at 24 V rated value       10 A         • at 110 V rated value       10 A         • at 230 V rated value       10 A         operational current at AC-15       4 A         • at 24 V rated value       4 A         • at 230 V rated value       4 A         operational current at DC-12       4 A         • at 24 V rated value       6 A         • at 60 V rated value       5 A         • at 110 V rated value       2.5 A         • at 230 V rated value       1 A	number of NC contacts for auxiliary contacts	1
operational current at AC-12  • at 24 V rated value  • at 60 V rated value  • at 110 V rated value  • at 230 V rated value  • at 24 V rated value  • at 230 V rated value  • at 24 V rated value  • at 24 V rated value  • at 250 V rated value	number of NO contacts for auxiliary contacts	1
<ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>operational current at AC-15</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 210 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 26 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>at 28 V rated value</li> <li>at 29 V rated value</li> <li>at 20 V rated value</li> <li>at 20 V rated value</li> <li>at 210 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> </ul>	number of CO contacts for auxiliary contacts	0
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>operational current at AC-15</li> <li>at 24 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>at 230 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 26 V rated value</li> <li>at 27 V rated value</li> <li>at 26 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>at 29 V rated value</li> <li>at 20 V rated value</li> <li>at 20 V rated value</li> <li>at 210 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> </ul>	operational current at AC-12	
<ul> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>10 A</li> <li>operational current at AC-15</li> <li>at 24 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>at 24 V rated value</li> <li>at 60 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>at 110 V rated value</li> <li>at 230 V rated value</li> </ul>	• at 24 V rated value	10 A
<ul> <li>at 230 V rated value</li> <li>operational current at AC-15</li> <li>at 24 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>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 60 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> </ul>	• at 60 V rated value	10 A
operational current at AC-15         • at 24 V rated value       4 A         • at 110 V rated value       4 A         • at 230 V rated value       4 A         operational current at DC-12       6 A         • at 24 V rated value       6 A         • at 60 V rated value       5 A         • at 110 V rated value       2.5 A         • at 230 V rated value       1 A	• at 110 V rated value	10 A
<ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>4 A</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>1 A</li> </ul>	at 230 V rated value	10 A
<ul> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>4 A</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>1 A</li> </ul>	operational current at AC-15	
<ul> <li>at 230 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> </ul>	• at 24 V rated value	4 A
operational current at DC-12         • at 24 V rated value       6 A         • at 60 V rated value       5 A         • at 110 V rated value       2.5 A         • at 230 V rated value       1 A	• at 110 V rated value	4 A
<ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>1 A</li> </ul>	• at 230 V rated value	4 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>1 A</li> </ul>	operational current at DC-12	
<ul> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>1 A</li> </ul>	at 24 V rated value	6 A
at 230 V rated value     1 A	• at 60 V rated value	5 A
	at 110 V rated value	2.5 A
operational current at DC-13	at 230 V rated value	1 A
	operational current at DC-13	

<ul> <li>at 24 V rated value</li> </ul>	3 A	
<ul> <li>at 60 V rated value</li> </ul>	1.2 A	
<ul> <li>at 110 V rated value</li> </ul>	0.7 A	
• at 230 V rated value	0.3 A	
Connections/ Terminals		
type of electrical connection	solder pin connectors	
Ambient conditions		
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +70 °C	
<ul> <li>during storage</li> </ul>	-40 +80 °C	
Installation/ mounting/ dimensions		
fastening method	clip-on	
height	19 mm	
width	18 mm	
depth	29 mm	
Certificates/ approvals		
General Product Approval		Declaration of Conformity

<u>KC</u>

**Declaration of Conformity** 

other



Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SB2455-0J

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB2455-0J

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

https://support.industry.siemens.com/cs/ww/en/ps/3SB2455-0J

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SB2455-0J&lang=en

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