## **SIEMENS**

Data sheet 3SB2455-1J



Contact block and lampholder 1 NO, 1 NC, Wedge base W2 x 4.6 d, soldering pin connection

Figure similar

| product brand name  |   |                              |  |
|---|---|------------------------------|--|
| product type designation 3SB2  Contact block lampholder socket design number of lampholders 1  Ceneral technical data product function positive opening product component   | ·   |                              |  |
| Contact block/ lampholder         W2 x 4.6d           socket design         W2 x 4.6d           number of lampholders         1           General technical data         Product function positive opening           product component         Ves           ilight source         No           suitability for integration         pushbutton / selector button           type of voltage         AC/DC           protection class IP         IP40           of the enclosure         IP40           of the terminal         IP00           vibration resistance according to IEC 60088-2-6         20 200 Hz: 5g           reference code according to IEC 60088-2-6         20 200 Hz: 5g           substance Prohibitance (Date)         07/01/2006           operating voltage         at AC           at AC         S           Substance Prohibitance (Date)         5 60 V           - at 50 Hz rated value         5 60 V           - at 50 Hz rated value         5 60 V           - at 16 OHz rated value         5 60 V           Auxiliary circuit         1           number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           operational current   | <u> </u>  | ·                            |  |
| Socket design   |   | 3SB2                         |  |
| Number of lampholders   | Contact block/ lampholder                       |                              |  |
| General technical data  product function positive opening product component   light source  | socket design                                   |                              |  |
| product function positive opening  product component    light source  |   | 1                            |  |
| product component    light source   No  | General technical data                          |                              |  |
| ● light source  suitability for integration  type of voltage  ● of the operating voltage  For of the enclosure  of the enclosure  ● of the enclosure  IP40  ivbration resistance according to IEC 60068-2-6  Z0 200 Hz: 5g  reference code according to IEC 81346-2  Substance Prohibitance (Date)  operating voltage  ● at AC  — at 50 Hz rated value  • at DC rated value  • at DC rated value  • at DC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1  num | product function positive opening               | Yes                          |  |
| suitability for integration type of voltage  • of the operating voltage  • of the operating voltage  • of the enclosure  • of the enclosure  • of the terminal  vibration resistance according to IEC 60068-2-6  20 200 Hz: 5g  reference code according to IEC 81346-2  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value 5 60 V  • at DC rated value  • at DC rated value  • at C C C Ontacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 number of CO contacts for auxiliary contacts  operational current at AC-12  • at 24 V rated value • at 110 V rated value • at 230 V rated value  | product component                               |                              |  |
| 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  ot AC  — at 50 Hz rated value — at 60 Hz rated value  ot at DC rated value  **According to IEC 81346-2  Substance Prohibitance (Date)  operating voltage  ot AC  — at 50 Hz rated value  **5 60 V  **at DC rated value  **5 60 V  Auxillary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  1  number of CO contacts for auxiliary contacts  operational current at AC-12  ot 24 V rated value  ot 24 V rated value  ot 230 V rated value  ot 230 V rated value  ot 230 V rated value  ot 24 V rated value  ot 230 V rated value  ot 24 V rated value  ot 24 V rated value  ot 230 V rated value  ot 24 V rated value  ot 24 V rated value  ot 230 V rated value  ot 24 V rated value  ot 24 V rated value  ot 230 V rated value  ot 24 V rated value  ot 25 V rated value  ot 27 V rated v    | light source                                    | No                           |  |
| of the operating voltage 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 ot at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value  ot at DC rated value  at DC rated value  Auxillary circuit number of NC contacts for auxillary contacts number of NO contacts for auxillary contacts number of NO contacts for auxillary contacts  operational current at AC-12  ot 24 V rated value  at 60 V rated value  10 A ot 110 A ot 230 V rated value  10 A ot 230 V rated value  4 A ot 230 V rated value  4 A ot 210 V rated value  4 A ot 210 V rated value  4 A ot 210 V rated value  4 A ot 2110 V rated value  4 A ot 2110 V rated value  4 A ot 230 V rated value  4 A  | suitability for integration                     | pushbutton / selector button |  |
| protection class IP   | type of voltage                                 |                              |  |
|   | of the operating voltage                        | AC/DC                        |  |
| ● 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 60 V  — at 60 Hz rated value 5 60 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 110 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 110 V rated value 4 A  ■ at 230 V rated value 4 A  ■ at 230 V rated value 4 A  | protection class IP                             |                              |  |
| 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 0 Hz rated value  • at DC rated value  • at DC routacts for auxiliary contacts  number of NC contacts for auxiliary contacts  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 10 V rated value  • at 230 V rated value  • at 24 V rated value  • at 24 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 230 V rated value  • at 24 V rated value  • at 230 V rated value  | • of the enclosure                              | IP40                         |  |
| reference code according to IEC 81346-2  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 5 60 V  • at DC rated value  **ON V **ON | of the terminal                                 | IP00                         |  |
| Substance Prohibitance (Date)         07/01/2006           operating voltage  | vibration resistance according to IEC 60068-2-6 | 20 200 Hz: 5g                |  |
| operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 5 60 V  • at DC rated value 5 60 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 • 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   | reference code according to IEC 81346-2         | S                            |  |
| • at AC  — at 50 Hz rated value — at 60 Hz rated value 5 60 V  • at DC rated value 5 60 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 • 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 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 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 27 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value   | Substance Prohibitance (Date)                   | 07/01/2006                   |  |
| - at 50 Hz rated value 5 60 V - at 60 Hz rated value 5 60 V  • at DC rated value 5 60 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 110 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 • at 230 V rated value 4 A  | operating voltage                               |                              |  |
| - at 60 Hz rated value 5 60 V  • at DC rated value 5 60 V  Auxiliary circuit  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  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   | • at AC   |                              |  |
| at DC rated value  Auxiliary circuit  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  10 A  at 110 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 230 V rated value  4 A  operational current at AC-12   | — at 50 Hz rated value                          | 5 60 V                       |  |
| Auxiliary circuit  number of NC contacts for auxiliary contacts  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 230 V rated value  • at 24 V rated value  • at 24 V rated value  • at 27 V rated value  • at 28 V rated value  • at 29 V rated value  • at 20 V rated value  • at 20 V rated value   | — at 60 Hz rated value                          | 5 60 V                       |  |
| number of NC contacts for auxiliary contacts  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 24 V rated value  • at 230 V rated value  • at 24 V rated value  • at 250 V rated value   | <ul> <li>at DC rated value</li> </ul>           | 5 60 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 230 V rated value  • at 24 V rated value  • at 25 V rated value  • at 27 V rated value  • at 28 V rated value  • at 28 V rated value  • at 29 V rated value  • at 20 V rated value  • at 20 V rated value  • at 20 V rated value  | Auxiliary circuit                               |                              |  |
| 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  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  | 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 230 V rated value  • at 24 V rated value  • at 25 V rated value  • at 26 V rated value  • AA  • at 27 V rated value  • AA  • at 27 V rated value  • AA  • at 27 V rated value  • AA   | 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 110 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>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>4 A</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 200 V rated value</li> <li>at 200 V rated value</li> </ul>   | at 24 V rated value                             | 10 A                         |  |
|   | <ul> <li>at 60 V rated value</li> </ul>         | 10 A                         |  |
| operational current at AC-15  | <ul> <li>at 110 V rated value</li> </ul>        | 10 A                         |  |
| • at 24 V rated value         • at 110 V rated value         • at 230 V rated value         • at 230 V rated value          • at DC-12   4 A  4 A   | at 230 V rated value                            | 10 A                         |  |
| • at 110 V rated value         • at 230 V rated value         • at 230 V rated value          • at DC-12     A A   A   A   A   A  | operational current at AC-15                    |                              |  |
| • at 230 V rated value 4 A  operational current at DC-12  | at 24 V rated value                             | 4 A                          |  |
| operational current at DC-12  | at 110 V rated value                            | 4 A                          |  |
|   | at 230 V rated value                            | 4 A                          |  |
| • at 24 V rated value 6 A   | operational current at DC-12                    |                              |  |
|   | • at 24 V rated value                           | 6 A                          |  |

| <ul> <li>at 60 V rated value</li> </ul>  | 5 A                   |  |
|--|-----------------------|--|
| <ul> <li>at 110 V rated value</li> </ul> | 2.5 A                 |  |
| at 230 V rated value                     | 1 A                   |  |
| operational current at DC-13             |                       |  |
| at 24 V rated value                      | 3 A                   |  |
| at 60 V rated value                      | 1.2 A                 |  |
| <ul> <li>at 110 V rated value</li> </ul> | 0.7 A                 |  |
| <ul> <li>at 230 V rated value</li> </ul> | 0.3 A                 |  |
| Connections/ Terminals                   |                       |  |
| type of electrical connection            | solder pin connectors |  |
| Ambient conditions                       |                       |  |
| ambient temperature                      |                       |  |
| during operation                         | -25 +60 °C            |  |
| during storage                           | -40 +80 °C            |  |
| Installation/ mounting/ dimensions       |                       |  |
| fastening method                         | clip-on               |  |
| height                                   | 19 mm                 |  |
| width                                    | 18 mm                 |  |
| depth                                    | 29 mm                 |  |
| Approvals Certificates                   |                       |  |
| General Product Approval                 |                       |  |













other Environment

Confirmation

Environmental Con-firmations

## Further information

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=3SB2455-1J

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB2455-1J

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

https://support.industry.siemens.com/cs/ww/en/ps/3SB2455-1J

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SB2455-1J&lang=en

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