SIEMENS

Data sheet

3SU1032-2BM20-0AA0-Z Y15



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, red, selector switch, short, 3 switch positions I>O<II, momentary contact type, actuating angle $2x45^{\circ}$, 10:30h/12h/13:30h, with laser labeling, upper case and lower case, always upper case at the beginning of the word

| product brand name SIRUS ACT product designation Selector switches design of the product Actuating signaling element product line Plastic with metal front ring, matt, 22 mm Factosuro | | |
|--|--|---|
| design of the product Actuating/signaling element product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm number of command points 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional ves • light source Yes • contact module Yes • actuating element plastic material of the actuating element glastic shape of the actuating element 23.3 mm actuating angle - • clockwise 45° • actoating angle - • clockwise 45° • anticlockwise 45° product component front ring Yes general technical data - protection class IP iPdec, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, | product brand name | SIRIUS ACT |
| product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Enclosure Inumber of command points 1 Actuator Gesign of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45* (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • contact module Yes • contact module Yes • contact module Yes • color of the actuating element plastic shape of the actuating element glastic uster diameter of the actuating element 32.3 mm marking of the actuating element 22.3 mm number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes protection neas IP plastic, matt color of the front ring standard material of the front ring standard design of the front ring standard grand <td< th=""><th>product designation</th><th>Selector switches</th></td<> | product designation | Selector switches |
| product line Plastic with metal front ring, matt, 22 mm Enclosure number of command points 1 Actuator Selector, short momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides principle of operation of the actuating element Selector, short momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes contact module Yes color of the actuating element plastic Handle plastic shape of the actuating element gastic Handle Selector, short outer diameter of the actuating element Handle Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45" e clockwise 45" Selector, short Selector, short product component front ring Yes Yes Selector, short e anticlockwise 45" Selector, short Selector, short front ing Selector, short Selector, short Selector, short graditing element Handle Selector, short Selector, | design of the product | Actuating/signaling element |
| Enclosure 1 Actuator design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element S2.3 mm outer diameter of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° • anticlockwise 45° for ning Yes product component front ring Metal, matt color of the front ring sand gray Goneral technical data protection class IP protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 si | product type designation | 3SU1 |
| number of command points 1 Actuator Actuator design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • contact module Yes • contact module Yes • color of the actuating element plastic shape of the actuating element plastic shape of the actuating element 22.3 mm marking of the actuating element 22.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° product component front ring standard material of the front ring standard material of the front ring standard general technical data protection class IP protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance <th>product line</th> <th>Plastic with metal front ring, matt, 22 mm</th> | product line | Plastic with metal front ring, matt, 22 mm |
| Actuator design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional ight source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element Submitted active ac | Enclosure | |
| design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 22.3 mm marking of the actuating element 22.3 mm number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Product component front ring Yes design of the front ring standard material of the front ring standard material of the front ring standard metrick resistance aixusolidal half-wave 15g / 11 ms ecording to EC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance according to EC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B < | number of command points | 1 |
| principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element glastic outre diameter of the actuating element 32.3 mm outre diameter of the actuating element 22.3 mm number of switching positions 3 actuating angle • • clockwise 45° • anticlockwise 45° front ring Yes product component front ring Yes design of the front ring Standard material of the front ring standard protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 H2: 5g • according to IEC 60068-2-6 10 500 H2: 5g | Actuator | |
| product extension optional Yes • light source Yes • contact module Yes color of the actuating element red material of the actuating element plastic shape of the actuating element plastic shape of the actuating element 22.3 mm marking of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° • front ring Standard material of the front ring sand gray General technical data protection NEMA rating protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 10 500 Hz; 5g | design of the actuating element | Selector, short |
| • light source Yes • contact module Yes • contact module Yes color of the actuating element plastic material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° • anticlockwise 45° • anticlockwise 45° • anticlockwise 45° general technical data Metal, matt color of the front ring sand gray General technical data IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g • fo | principle of operation of the actuating element | momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides |
| • contact module Yes color of the actuating element red material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element 2.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle • • clockwise 45° • anticlockwise 45° • anticlockwise 45° product component front ring Yes design of the front ring standard material of the front ring standard general technical data UP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B Vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g Category 1, Class B operating frequency maximum | product extension optional | |
| color of the actuating element red material of the actuating element plastic shape of the actuating element 32.3 mm outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° product component front ring Yes design of the front ring standard material of the front ring standard general technical data - protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance - • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance - • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance - • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applic | light source | Yes |
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| shape of the actuating element Handle outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes gdesign of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray General technical data IP66, IP67, IP69(IP69K) gegre of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance • for railway applications according to EN 61373 • for railway applications according to EN 61373 Category 1, Class B </th <th>color of the actuating element</th> <th>red</th> | color of the actuating element | red |
| outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° product component front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray General technical data IP66, IP67, IP69(IP69K) protection class IP IP66, IP67, IP69(IP69K) e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h | material of the actuating element | plastic |
| marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 3 • clockwise 45° • anticlockwise 45° product component front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray General technical data Protection NEMA rating protection lass IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h | shape of the actuating element | Handle |
| with capital lettersnumber of switching positions3actuating angle45°• clockwise45°• anticlockwise45°front ringYesproduct component front ringYesdesign of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance1800 1/h | outer diameter of the actuating element | 32.3 mm |
| actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes product component front ring standard material of the front ring Metal, matt color of the front ring sand gray General technical data protection class IP protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h | marking of the actuating element | |
| • clockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h | number of switching positions | 3 |
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| design of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h | Front ring | |
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| General technical data protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B • for railway applications according to EN 61373 Category 1, Class B • for railway applications according to EN 61373 Category 1, Class B • for railway applications according to EN 61373 Category 1, Class B | material of the front ring | Metal, matt |
| protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance | color of the front ring | sand gray |
| degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h | General technical data | |
| shock resistance inusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance inusoidal half-wave 15g / 11 ms • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B • operating frequency maximum 1 800 1/h | protection class IP | IP66, IP67, IP69(IP69K) |
| e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms e for railway applications according to EN 61373 Category 1, Class B vibration resistance e according to IEC 60068-2-6 10 500 Hz: 5g e for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h | degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
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| vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h | according to IEC 60068-2-27 | sinusoidal half-wave 15g / 11 ms |
| according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h | for railway applications according to EN 61373 | Category 1, Class B |
| for railway applications according to EN 61373 Category 1, Class B 1 800 1/h | vibration resistance | |
| operating frequency maximum 1 800 1/h | according to IEC 60068-2-6 | 10 500 Hz: 5g |
| | for railway applications according to EN 61373 | Category 1, Class B |
| mechanical service life (switching cycles) typical 1 000 000 | operating frequency maximum | 1 800 1/h |
| | mechanical service life (switching cycles) typical | 1 000 000 |

| reference code according to IEC 81346-2 | S |
|---|---|
| Substance Prohibitance (Date) | 10/01/2014 |
| Safety related data | |
| B10 value with high demand rate according to SN 31920 | 300 000 |
| proportion of dangerous failures | |
| with low demand rate according to SN 31920 | 20 % |
| with high demand rate according to SN 31920 | 20 % |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| Ambient conditions | |
| ambient temperature | |
| during operation | -25 +70 °C |
| during storage | -40 +80 °C |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%) |
| Installation/ mounting/ dimensions | |
| height | 32.3 mm |
| width | 32.3 mm |
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 28.8 mm |
| installation width | 32.3 mm |
| installation depth | 25.4 mm |
| Certificates/ approvals | |
| Further information | |
| 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 Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3SU1032- Image database (product images, 2D dimension drawing: http://www.automation.siemens.com/bilddb/cax_de.aspx?mlf | t?mlfb=3SU1032-2BM20-0AA0-Z Y15 It.aspx?lang=en&mlfb=3SU1032-2BM20-0AA0-Z Y15 FAQs,) 2BM20-0AA0-Z Y15 s, 3D models, device circuit diagrams, EPLAN macros,) |

last modified:

1/26/2022 🖸