SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle $2x45^{\circ}$, 10:30h/12h/13:30h

| product designation design of the product ye designation product type designation product line Plastic, black, 22 mm Plastic, black, 22 mm Plastic, black, 22 mm Plastic, black, 22 mm Plastic, black, 22 mm Inumber of command points Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element Selector, short | product brand name | SIRIUS ACT |
|--|--|----------------------------------|
| product type designation product line Plastic, black, 22 mm Plastic, black, 22 mm | product designation | Selector switches |
| product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element is latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional Ight source Yes color of the actuating element white material of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element actuating alement actuating angle Ichockwise 45° actuating angle Ichockwise 45° actuating angle Ichockwise 45° Front ring product component front ring the front ring plastic design of the front ring plastic color of the front ring black General technical data protection class IP (P66, IP67, IP69(IP69K)) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 accord | design of the product | Actuating/signaling element |
| Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source color of the actuating element white material of the actuating element pusher of the actuating element number of switching positions actuating angle clockwise anticlockwise at5° anticlockwise 45° anticlockwise 45° front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B | product type designation | 3SU1 |
| number of command points Actuator design of the actuating element principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source | product line | Plastic, black, 22 mm |
| Actuator design of the actuating element principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element under of dimeter of the actuating element number of switching positions actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise front ring product component front ring design of the front ring color of the front ring design of the actuating element plastic standard material of the actuating element plastic standard protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B Ves Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h/12 h/13:3 | Enclosure | |
| design of the actuating element principle of operation of the actuating element product extension optional ● light source ● contact module color of the actuating element shape of the actuating element plastic shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle ● clockwise ● anticlockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring design of the front ring protection class IP ● degree of protection NEMA rating shock resistance ● according to IEC 60068-2-27 ● for railway applications according to EN 61373 Category 1, Class B Ves latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching Yes 4 ** Yes 4 ** 4 | number of command points | 1 |
| principle of operation of the actuating element product extension optional ight, left latching Yes contact module color of the actuating element material of the actuating element number of switching positions actuating angle clockwise anticlockwise anticlockwise front ring product component front ring design of the front ring material of the front ring general technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Lack gills in the first ring product case IP for railway applications according to EN 61373 latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching right, left latching Yes Ves white yes 45° 45° 45° 45° 45° 45° 45° 45 | Actuator | |
| right, left latching product extension optional light source contact module yes color of the actuating element white material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle clockwise anticlockwise shape of the front ring product component front ring design of the front ring material of the front ring material of the front ring general technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B | design of the actuating element | Selector, short |
| ● contact module Color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle • clockwise • anticlockwise • anticlockwise • anticlock of the front ring product component front ring design of the front ring material of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring design of the front ring plastic color of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B | principle of operation of the actuating element | |
| colarity module color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element outer diameter of switching positions actuating angle clockwise enticlockwise 45° enticlockwise 45° Front ring product component front ring design of the front ring material of the front ring color of the front ring color of the front ring plastic color of the front ring design of the front ring color of the front ring plastic color of the front ring descending to Economical data protection class IP degree of protection NEMA rating shock resistance eaccording to IEC 60068-2-27 efor railway applications according to EN 61373 vibration resistance eaccording to IEC 60068-2-6 efor railway applications according to EN 61373 Category 1, Class B viaguations v | product extension optional | |
| color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise front ring product component front ring design of the front ring material of the front ring color of the front ring material of the front ring glack General technical data protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 e for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 viagan white plastic standard protection of the front ring black leaves the front ring leaves th | • light source | Yes |
| material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise 45° e anticlockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring glastic color of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 e for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 Category 1, Class B | contact module | Yes |
| shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle clockwise anticlockwise anticlockwise 45° Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-7 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B Value 45° 45° 45° 45° 45° 45° 45° 45 | color of the actuating element | white |
| outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise 45° anticlockwise 45° front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 ibrarian sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 actuating as 23.3 mm 32.3 mm 32.3 mm 32.3 mm 45° 45° 45° 45° 45° 45° 45° 45° 45° 45° | material of the actuating element | plastic |
| number of switching positions actuating angle | shape of the actuating element | Handle |
| actuating angle | outer diameter of the actuating element | 32.3 mm |
| • clockwise • anticlockwise • anticlockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring general technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B | number of switching positions | 3 |
| anticlockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring general technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B category 1, Class B Category 1, Class B Category 1, Class B | actuating angle | |
| product component front ring design of the front ring material of the front ring color of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Product to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B Vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B | • clockwise | 45° |
| product component front ring design of the front ring material of the front ring plastic color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B vibration resistance for railway applications according to EN 61373 Category 1, Class B Category 1, Class B | anticlockwise | 45° |
| design of the front ring material of the front ring plastic color of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • for railway applications according to EN 61373 Category 1, Class B Category 1, Class B | Front ring | |
| material of the front ring color of the front ring black General technical data 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 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B | product component front ring | Yes |
| color of the front ring General technical data 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 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B | design of the front ring | standard |
| protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B Category 1, Class B | material of the front ring | plastic |
| 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 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B | color of the front ring | black |
| 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 • for railway applications according to EN 61373 Category 1, Class B | General technical data | |
| shock resistance | protection class IP | IP66, IP67, IP69(IP69K) |
| 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 | degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B | shock resistance | |
| vibration resistance ● according to IEC 60068-2-6 10 500 Hz: 5g ● for railway applications according to EN 61373 Category 1, Class B | 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 | for railway applications according to EN 61373 | Category 1, Class B |
| • for railway applications according to EN 61373 Category 1, Class B | vibration resistance | |
| | according to IEC 60068-2-6 | 10 500 Hz: 5g |
| 4.000.4% | for railway applications according to EN 61373 | Category 1, Class B |
| operating frequency maximum 1 800 1/n | operating frequency maximum | 1 800 1/h |
| mechanical service life (switching cycles) typical 1 000 000 | mechanical service life (switching cycles) typical | 1 000 000 |
| reference code according to IEC 81346-2 S | reference code according to IEC 81346-2 | S |

| 0.1.4 | 40/04/0044 |
|--|--|
| 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 | |



General Product Approval

Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping

other



Environmental Confirmations Confirmation

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?mlfb=3SU1002-2BN60-0AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN60-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN60-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BN60-0AA0&lang=en

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