SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, with laser labeling, upper case and lower case, always upper case at the beginning of the word

| product designation design of the product product type designation product type designation product type designation product type designation product line Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional ight source color of the actuating element material of the actuating element marking of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the factuating element cuter diameter of the actuating element product component front ring element cuter of switching positions 2 actuating angle clockwise 90° Front ring product component front ring design of the front ring material of the front ring design of the front ring plastic color of the front ring plastic design of the front ring plastic color of the front ring plastic 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 operating frequency maximum 1 80 vih 1 000 000 Selector switches Selector, short lack, 22 mm Selector, short lack, 29 mm lack, 90° (10:30 h/13:30 h) Ceneral technical data protection class IP life (Selector, short lack, 90° (10:30 h/13:30 h) Selector, short lack, 90° (10:30 h/13:30 h) Select | product brand name | SIRIUS ACT |
|--|--|----------------------------------|
| product type designation 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 product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element couter diameter of the actuating element marking of the actuating element couter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element couter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element glastic shape of the front ring slandard product component front ring design of the front ring product component front ring design 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 plastic color of the front ring color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring slandard material of the front ring color of the front ring slandard material of the front ring plastic color of the front ring color of the front ring color of the front ring slandard material of the front ring color of the front ring slandard material 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 design of the front ring de | product designation | Selector switches |
| product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element product extension optional • light source Yes • contact module Yes • contact module Yes color of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element with capital letters and in a color of switching positions actuating angle • clockwise 90° Front ring product component front ring plastic design of the front ring plastic element Customized labeling, text in lower case / capital letters, all words start with capital letters 2 actuating angle • clockwise 90° Front ring product component front ring standard material of the front ring plastic color of the front ring black General technical data protection class IP Ple6, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | design of the product | Actuating/signaling element |
| number of command points 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 outer diameter of the actuating element actuating element white cuter diameter of the actuating element outer diameter of the actuating element actuating element cuter diameter of the actuating element with capital letters number of switching positions actuating angle clockwise Front ring product component front ring design of the front ring color of the front ring color of the front ring design of the front ring standard material of the front ring color 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical | product type designation | 3SU1 |
| number of command points Actuator | product line | Plastic, black, 22 mm |
| Actuator Gesign of the actuating element Selector, short Iatching, 90° (10:30 h/13:30 h) | Enclosure | |
| design of the actuating element principle of operation of the actuating element latching, 90° (10:30 h/13:30 h) product extension optional elight source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element product extension optional elight source color of the actuating element material of the actuating element outer diameter of the actuating element possible product diameter of the actuating element product extension options 2 actuating angle elockwise 90° Front ring product component front ring design of the front ring material of the front ring product component front ring product component front ring product component front ring plastic color of the front ring plastic protection class IP degree of protection NEMA rating shock resistance elockwisy applications according to EN 61373 vibration resistance elocording to IEC 60068-2-6 efor railway applications according to EN 61373 category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | number of command points | 1 |
| principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle • clockwise 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 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical latching, 90° (10:30 h/13:30 h) yes yes yes (10:30 h/13:30 h) (10:30 h/13:30 h/13:30 h) (10:30 h/13:30 h) (| Actuator | |
| product extension optional light source Yes | design of the actuating element | Selector, short |
| • light source • contact module Color of the actuating element material of the actuating element number of switching positions actuating angle • clockwise Front ring product component front ring design of the front ring material 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 operating frequency maximum exhite counter in the desire is a sinus in the first in the service if is (switching cycles) typical yes Yes Customized labeling, text in lower case / capital letters, all words start with capital letters 22. Actuating angle • Customized labeling, text in lower case / capital letters, all words start with capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters, all words start with capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters, all words start with capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters, all vords start with capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters, all vords start with capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters 2 actuating angle • Customized labeling, text in lower case / capital letters 3 actuating angle • Customized labeling, text in lower case / capital letters 4 actuating angle • Customized labeling, text in lower case / capital letters 4 actuating angle • Customized labeling, text in lower case / capital letters 4 actuating angle • Customized labeling, text in lower case / capital letters 5 actuating angle • Customized labeling, text in lower case / capital letters 6 actuating angle • Customized labeling, text in lower case / capital letters 9 actuating angle • Customized labeling, text in lower case | principle of operation of the actuating element | latching, 90° (10:30 h/13:30 h) |
| color of the actuating element white material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 2 actuating angle clockwise 90° Front ring product component front ring standard material of the front ring plastic color of the front ring product component front ring product component front ring plastic color of the front ring plastic color of t | product extension optional | |
| color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle clockwise product component 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 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum nechanical service life (switching cycles) typical white plastic Customized labeling, text in lower case / capital letters, all words start with capital letters 22.3 mm Pesson P | • light source | Yes |
| material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle clockwise 90° Front ring 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 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum nechanical service life (switching cycles) typical plastic black Protection Less IP IP66, IP67, IP69(IP69K) Category 1, Class B 10 500 Hz: 5g Category 1, Class B | contact module | Yes |
| shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions 2 actuating angle | color of the actuating element | white |
| outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle | material of the actuating element | plastic |
| marking of the actuating element number of switching positions actuating angle • clockwise 90° 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 • for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical Customized labeling, text in lower case / capital letters, all words start with capital letters actuating applications 2 Customized labeling, text in lower case / capital letters, all words start with capital letters 2 Customized labeling, text in lower case / capital letters, all words start with capital letters 2 Customized labeling, text in lower case / capital letters, all words start with capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling, text in lower case / capital letters 2 Customized labeling 1 Customized letters 2 Category 1, Class B | shape of the actuating element | Handle |
| number of switching positions actuating angle ● clockwise 90° Front ring product component front ring design of the front ring material of the front ring plastic color 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 vibration resistance ● according to IEC 60068-2-6 • for railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical | outer diameter of the actuating element | 32.3 mm |
| actuating angle | marking of the actuating element | |
| • clockwise 90° Front ring product component front ring Yes design of the front ring standard 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 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 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | number of switching positions | 2 |
| product component front ring product component front ring design of the front ring material of the front ring plastic color of the front ring plastic 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 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 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical | actuating angle | |
| product component front ring design of the front ring material of the front ring color of the front ring plastic 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | clockwise | 90° |
| 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 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | 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 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 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | product component front ring | Yes |
| color of the front ring General technical data protection class IP lP66, 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 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | design of the front ring | standard |
| protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms for railway applications according to EN 61373 resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B ribration resistance for railway applications according to EN 61373 category 1, Class B ribration resistance for railway applications according to EN 61373 category 1, Class B ribration resistance for railway applications according to EN 61373 category 1, Class B ribration resistance for railway applications according to EN 61373 | 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 10 500 Hz: 5g Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | General technical data | |
| 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| for railway applications according to EN 61373 vibration resistance | shock resistance | |
| 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 mechanical service life (switching cycles) typical 1 000 000 | 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 mechanical service life (switching cycles) typical 1 000 000 | for railway applications according to EN 61373 | Category 1, Class B |
| ● for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | vibration resistance | |
| operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 | according to IEC 60068-2-6 | 10 500 Hz: 5g |
| mechanical service life (switching cycles) typical 1 000 000 | 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 |
| | | 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 | 100 000 |
| 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?mlfb=3SU1002-2BF60-0AA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BF60-0AA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BF60-0AA0-Z Y15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1002-2BF60-0AA0-Z Y15&lang=en

last modified: 1/26/2022 🖸