SIEMENS

Data sheet



Coordinate switch, 22 mm, round, metal shiny, black, 2 switch positions, horizontal latching, without mechanical interlocking, Z=50-unit packaging

| product designation design of the product product type designation product type designation product type designation product time Enclosure number of command points Actuating signating element principle of operation of the actuating element direction of actuation product extension optional • light source • contact module color of the actuating element plastic shape of the actuating element pouter diameter of the actuating element product extension optional • light source • contact module Yes color of the actuating element plastic shape of the actuating element pouter diameter of the actuating element pouter diameter of the actuating element number of switching positions 2 Maximum deflection angle [*] product component front ring design of the front ring material of the front ring material of the front ring design of the front ring color of the front ring design of the front ring design of the front ring silver General technical data protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • a coording to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance • a coording to IEC 60068-2-6 operating frequency maximum preference code according to IEC 61346-2 Substance Prohibitance (Date) Safety related data B10 value with high demand rate according to SN 31920 100 000 | product brand name | SIRIUS ACT |
|---|--|----------------------------------|
| product tipe designation product line Metal, shiny, 22 mm Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source ocolor of the actuating element black material of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element shape of the actuating element plastic shape of the actuating element shape of shape of the actuation element shape of | product designation | Coordinate switches |
| product line Metal, shiny, 22 mm Enclosure number of command points 1 Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element horizontal horizontal product extension optional ilight source No contact module Yes color of the actuating element black black material of the actuating element plastic shape of the actuating element plastic shape of the actuating element 30.5 mm number of switching positions 2 Maximum deflection angle [*] 30° Front ring Yes product component front ring high material of the front ring Metal, high gloss color of the front ring silver 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 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81348-2 S Substance Prohibitance (Date) Safety related data | design of the product | Actuating/signaling element |
| Inmber of command points Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element latching direction of actuation horizontal product extension optional • light source • contact module color of the actuating element black material of the actuating element plastic shape of the actuating element shape of the actuating element anumber of switching positions 2 Maximum deflection angle [*] product component 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 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data Protection class of the femal of the codes according to IEC 81346-2 Substance Prohibitance (Date) Safety related data 10/01/2014 | product type designation | 3SU1 |
| number of command points Actuator | product line | Metal, shiny, 22 mm |
| design of the actuating element without mechanical interlock principle of operation of the actuating element direction of actuation horizontal product extension optional light source No eontact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element anumber of switching positions 2 Maximum deflection angle [*] 30.6 mm number of switching positions 2 Maximum deflection angle [*] 30° Front ring Yes design of the front ring high material of the front ring Metal, high gloss color of the front ring silver General technical data protection class IP IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Safety related data | Enclosure | |
| design of the actuating element principle of operation of the actuating element direction of actuation product extension optional elight source No contact module color of the actuating element shape of the actuating element pouter diameter of the actuating element shape of the actuating element publishing shape of the actuating element shape of the actuating product component front ring design of the front ring shape shape of the front ring shape shape of the front ring shape shape of protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance e according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) e as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 | number of command points | 1 |
| principle of operation of the actuating element direction of actuation product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element number of switching positions 2 Maximum deflection angle [*] Front ring product component front ring design of the front ring material of the front ring color of the front ring sliver General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data Such Case Such Such Case Such Safety related data | Actuator | |
| direction of actuation product extension optional light source No | design of the actuating element | without mechanical interlock |
| product extension optional light source | principle of operation of the actuating element | latching |
| Ilight source Color of the actuating element Diack | direction of actuation | horizontal |
| e contact module color of the actuating element material of the actuating element shape of the actuating element number of switching positions 2 Maximum deflection angle [°] 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 e according to IEC 60068-2-27 vibration resistance e according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) e as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | 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 Maximum deflection angle [°] Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • a so perating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | • light source | No |
| material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring 4 high material of the front ring 5 silver General technical data protection class IP 6 degree of protection NEMA rating 5 shock resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) Safety related data | contact module | Yes |
| shape of the actuating element outer diameter of the actuating element number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring silver General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | color of the actuating element | black |
| outer diameter of the actuating element number of switching positions Aximum deflection angle [°] 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 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance (Date) Safety related data | material of the actuating element | plastic |
| number of switching positions Maximum deflection angle [°] product component front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | shape of the actuating element | Extended handle |
| Maximum deflection angle [*] 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 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | outer diameter of the actuating element | 30.5 mm |
| product component front ring design of the front ring material 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 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Yes high Metal, high gloss silver IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g operating frequency maximum 100 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) | number of switching positions | 2 |
| product component front ring design of the front ring material of the front ring material of the front ring color of the front ring silver General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | Maximum deflection angle [°] | 30° |
| 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 vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) high Metal, high gloss Metal, high gloss silver IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g 2 400 1/h 100 000 | Front ring | |
| material of the front ring color of the front ring silver General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Metal, high gloss silver Metal, high gloss silver Metal, high gloss silver IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g 2 400 1/h mechanical service life (switching cycles) 100 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) | product component front ring | Yes |
| color of the front ring 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 vibration resistance • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | design of the front ring | high |
| protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance | material of the front ring | Metal, high gloss |
| 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 vibration resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | color of the front ring | silver |
| 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 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data | General technical data | |
| shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data | protection class IP | IP65, IP67 |
| according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| vibration resistance • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | shock resistance | |
| according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | according to IEC 60068-2-27 | sinusoidal half-wave 15g / 11 ms |
| operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | vibration resistance | |
| mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | according to IEC 60068-2-6 | 10 500 Hz: 5g |
| • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data | operating frequency maximum | 2 400 1/h |
| reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data | mechanical service life (switching cycles) | |
| Substance Prohibitance (Date) 10/01/2014 Safety related data | as operating period per direction of actuation typical | 100 000 |
| Safety related data | reference code according to IEC 81346-2 | S |
| | Substance Prohibitance (Date) | 10/01/2014 |
| B10 value with high demand rate according to SN 31920 100 000 | 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 | 30.5 mm |
| width | 30.5 mm |
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 71.3 mm |
| installation width | 30.5 mm |
| installation depth | 25.6 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=3SU1050-7AA88-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-7AA88-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-7AA88-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-7AA88-0AA0-Z X90&lang=en

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