SIEMENS

Data sheet

3SU1031-0AA70-0AA0-Z Y10



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, clear, pushbutton, flat, latching, Push-to-release mechanism, with laser labeling, upper case and lower case, always upper case at beginning of line

| product brand name SIRUS ACT product designation Illuminated pushbuttons design of the product Actuating/signaling element product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Enclosure | | | |
|---|--|--|--|
| design of the product Actuating/signaling element product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Enclosuro 1 Actuator design of the actuating element principle of operation of the actuating element Flat button principle of operation of the actuating element latching product extension optional • • light source Yes • contact module Yes color of the actuating element plastic material of the actuating element clear material of the actuating element color of the actuating element color of the actuating element clear material of the actuating element color of the actuating element round Customized labeling, text in lower case / capital letters, all lines start with capital letter yub-to-uniatch mechanism product component front ring Standard gening of the front ring Standard gening of the front ring sand gray General technical data protection class IP protection class IP lP66, IP67, IP69(IP69K) | product brand name | SIRIUS ACT | |
| product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Enclosure Inumber of command points Actuator I Actuator Flat button gesign of the actuating element Flat button principle of operation of the actuating element Iatching product extension optional Yes • contact module Zes.mm marking of the actuating element Zes.mm product component front ring Yes design of the front ring Yes design of the front ring Standard material of the front ring Standard <t< th=""><th>product designation</th><th>Illuminated pushbuttons</th></t<> | product designation | Illuminated pushbuttons | |
| product line Plastic with metal front ring, matt, 22 mm number of command points 1 Actuator Flat button design of the actuating element Flat button principle of operation of the actuating element Flat button ight source Yes color of the actuating element clear material of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 295 mm marking of the actuating element 295 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start type of unlocking device Yes product component front ring Yes design of the front ring Standard material of the front ring Standard grand grand off the front ring Standard grand grand design of the front ring standard material of the front ring standard grand grand istor albus applications according to EN 61373 | design of the product | Actuating/signaling element | |
| Enclosure 1 Actuator design of the actuating element Flat button principle of operation of the actuating element latching product extension optional ight source • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 29.5 mm customized labeling, text in lower case / capital letters, all lines start with eactuating element Customized labeling, text in lower case / capital letters, all lines start type of unlocking device push-to-unlatch mechanism Front ring Standard material of the front ring Standard material 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 inusoidal half-wave 15g / 11 ms • for railway applications according to EC 60068-2-8 10 500 Hz: 5g • for railway applications according to EC 60068-2-6 10 500 Hz: 5g • f | product type designation | 3SU1 | |
| number of command points 1 Actuator design of the actuating element Flat button principle of operation of the actuating element latching product extension optional Yes • contact module Yes • contact module Yes color of the actuating element clear material of the actuating element plastic shape of the actuating element 29.5 mm marking of the actuating element 29.5 mm marking of the actuating element 29.5 mm marking of the font ring Yes product component front ring Yes design of the 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 NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal 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 vibration resistance 500 000 | product line | Plastic with metal front ring, matt, 22 mm | |
| Actuator Flat button design of the actuating element Flat button principle of operation of the actuating element Iatching product extension optional Iatching • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element Closr of the actuating element outer diameter of the actuating element Closr of the actuating element marking of the actuating element Closromized labeling, text in lower case / capital letters, all lines start type of unlocking device push-to-unlatch mechanism Front ring Yes design of the front ring Standard material of the front ring Standard color of the front ring Metal, matt color of the front ring IP66, IP67, IP69(IP69K) design to LEC 60068-2-27 sinusoidal half-wave 15g / 11 ms e coording 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 0000 Hz; 5g e torrailway applications | Enclosure | | |
| design of the actuating element Flat button principle of operation of the actuating element latching product extension optional | number of command points | 1 | |
| principle of operation of the actuating element latching 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 22.5 mm marking of the actuating element 22.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism Front ring Yes general technical data matterial of the front ring shang of the front ring Standard material 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 according to IEC 60068-2-27 e according to IEC 60068-2-6 10 500 Hz: 5g 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 <th colspan="3">Actuator</th> | Actuator | | |
| 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 round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start type of unlocking device push-to-unlatch mechanism Front ring Standard material of the front ring Standard design of the front ring Standard material of the front ring Standard general technical data IP66, IP67, IP69(IP69K) geree 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 vibration resistance 10 500 Hz; 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance | design of the actuating element | Flat button | |
| • light source Yes • contact module Yes color of the actuating element clear material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism Front ring Yes general technical data 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 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 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to EX 81346-2 S Substance Prohibitance (Date) 10/01/2014 | principle of operation of the actuating element | latching | |
| • contact module Yes color of the actuating element clear material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism Front ring Yes design of the front ring Standard material of the front ring Standard material of the front ring Metal, matt color of the front ring gay 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 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 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1800 1/h | product extension optional | | |
| color of the actuating element clear material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism Front ring Yes design of the front ring Standard material of the front ring Standard color 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 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 1800 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 61346-2 S <td>light source</td> <td>Yes</td> | light source | Yes | |
| material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism Front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring Standard general technical data Protection NEMA rating 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 0 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 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | contact module | Yes | |
| shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism product component front ring Yes design of the front ring Standard material of the front ring Standard general technical data general technical data 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 0 • 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 Ife (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | color of the actuating element | clear | |
| outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism 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) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms e for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g e for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | material of the actuating element | plastic | |
| marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter type of unlocking device push-to-unlatch mechanism 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 NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms e for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g e for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | shape of the actuating element | round | |
| with capital lettertype of unlocking devicepush-to-unlatch mechanismFront ringproduct component front ringYesdesign 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/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | outer diameter of the actuating element | 29.5 mm | |
| 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 class IP 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 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 according to IEC 60068-2-6 e according to IEC 60068-2-6 10 500 Hz: 5g of railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | marking of the actuating element | | |
| product component front ringYesdesign 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/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | type of unlocking device | push-to-unlatch mechanism | |
| 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) 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 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 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | Front ring | | |
| material 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 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/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | product component front ring | Yes | |
| color of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceinusoidal 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 resistanceinuscidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | design of the front ring | Standard | |
| 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 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 • 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 applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | 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 resistanceinusoidal 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 resistanceinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | 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 resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | 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 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | protection class IP | IP66, IP67, IP69(IP69K) | |
| e 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 e according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 0 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical for output of the fourth of the four | degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 | |
| • 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/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | shock resistance | | |
| vibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014 | according to IEC 60068-2-27 | sinusoidal half-wave 15g / 11 ms | |
| e 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 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | 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 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | vibration resistance | | |
| operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | according to IEC 60068-2-6 | 10 500 Hz: 5g | |
| mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | for railway applications according to EN 61373 | Category 1, Class B | |
| reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 | operating frequency maximum | 1 800 1/h | |
| Substance Prohibitance (Date) 10/01/2014 | mechanical service life (switching cycles) typical | 500 000 | |
| | reference code according to IEC 81346-2 | S | |
| Ambient conditions | Substance Prohibitance (Date) | 10/01/2014 | |
| | 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%) |
| nstallation/ mounting/ dimensions | |
| height | 29.5 mm |
| width | 29.5 mm |
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 11 mm |
| installation width | 29.5 mm |
| installation depth | 24.3 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/produc | |

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1031-0AA70-0AA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1031-0AA70-0AA0-Z Y10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-0AA70-0AA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1031-0AA70-0AA0-Z Y10&lang=en

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