SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder 1 NO, screw terminal, with laser labeling, lower case

| product designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 product type designation 3SU1400-1AA10-1BA0 4 of the supplied contact module at position 1 3SU1400-1AA10-1BA0 3SU1550-0AA10-0AA0 3SU1550-0AA10-0AA0 3SU1550-0AA10-0AA0 3SU1550-0AA10-0AA0 3SU1550-0AA10-0AA0 3SU1550-0AA10-0AA0 3SU100-0AB20-0AA0 10 | product brand name | SIRIUS ACT | |
|--|--|---|--|
| product type designation product line Plastic, black, 22 mm manufacturer's article number • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element pouter diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring design of the front ring plastic color of the front ring material of the holder plastic Display number of LED modules General technical data product function positive opening product component light source No insulation voltage rated value 600 v degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value for the teminal Ple6, IP67, IP69(IP69K) #Poff the teminal | product designation | Pushbuttons | |
| product line manufacturer's article number of supplied contact module at position 1 of the supplied holder of the supplied actuator substituting the supplied actuator substituting the supplied actuator assuration of the supplied actuator assuration of command points Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element couter diameter of the actuating element marking of the actuating element customized labeling, text in lower case letters number of contact modules Front ring product component front ring design of the front ring design of the front ring black Holder material of the holder Display number of LED modules Ceneral technical data product function positive opening No product component light source No insulation voltage rated value source AKING | design of the product | Complete unit | |
| manufacturer's article number of supplied contact module at position 1 of the supplied holder of the supplied actuator sultion-data data of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules front ring product component front ring design of the front ring product component front ring standard material of the front ring product component front ring doing the front ring product component front ring color of the front ring plastic black blodder material of the holder plastic color of the front ring plastic black blodder material of the front ring doing the front ring plastic black blodder material of the holder plastic bl | product type designation | 3SU1 | |
| of supplied contact module at position 1 of the supplied holder of the supplied actuator assure of the supplied actuator number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element material of the actuating element actuating element product actuating element actuating element product component front ring 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 product component front ring design of the front ring plastic product component front ring plastic product front ring plastic product front ring plastic product front ring plastic product component front ring plastic product front ring plastic product front ring product front ring plastic product somponent front ring plastic product somponent front ring plastic product front ring plastic product somponent light source number of LED modules o General technical data product somponent light source No insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal Place in the front ring in the | product line | Plastic, black, 22 mm | |
| • of the supplied holder • of the supplied actuator asbu1000-0AB20-0AA0 1 Actuator design of the actuating element principle of operation of the actuating element product exhesion optional light source color of the actuating element material of the actuating element product exhesion optional light source color of the actuating element red material of the actuating element shape of the actuating element couter diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring plastic black Holder material of the holder Display number of LED modules 0 General technical data product component light source No insulation voltage rated value degree of pollution 1 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Pof the terminal Pof (PFG, PFG PFG FFG FFG FFG FFG FFG FFG | manufacturer's article number | | |
| of the supplied actuator number of command points Actuator design of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring color of the actuating element outer front ring product component front ring design of the front ring number of contact modules Foot ring product component front supplement outer front ring plastic color of the front ring black Holder material of the holder Display number of LED modules O General technical data product function positive opening product component light source No insulation voltage rated value degree of pollution surge voltage of the operating voltage surge voltage resistance rated value of the terminal Ple6, IP67, IP69(IP69K) IVA IVA Actuator Button, flat momentary contact type moment type moment in actuating element momentary contact type moment type momentary contact type moment in actuating element momentary contact type momentary contact type momentary contact type moment in actuating element momentary contact type moment actuating element | of supplied contact module at position 1 | 3SU1400-1AA10-1BA0 | |
| number of command points Actuator design of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source No color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring Standard material of the front ring plastic color of the front ring plastic color of the front ring black Holder material of the holder Display number of LED modules 0 General technical data product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value • of the terminal | of the supplied holder | 3SU1550-0AA10-0AA0 | |
| design of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source No color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution type of voltage of the operating voltage AC/DC surge voltage of the operating voltage Pla6s (IP67, IP69(IP69K) Pl66s) of the terminal IP20 | of the supplied actuator | 3SU1000-0AB20-0AA0 | |
| design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element outer diameter of the actuating element arking of the actuating element outer diameter of the diameter outer ou | number of command points | 1 | |
| principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element product extension optional glement shape of the actuating element outer diameter of the actuating element customized labeling, text in lower case letters number of contact modules Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal meterial of the terminal ### CID Plastic ### CID | Actuator | | |
| product extension optional light 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 customized labeling, text in lower case letters number of contact modules 1 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 plastic color of the holder Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Pla6, IP67, IP69(IP69K) IP20 | design of the actuating element | Button, flat | |
| color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element narking of the actuating element customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring material of the front ring plastic color of the front ring plastic color of the holder Plastic Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal Pla6, IP67, IP69(IP69K) Ple6, IP67, IP69(IP69K) Pound Pound Pla6, IP67, IP69(IP69K) Ple6, IP67, IP69(IP69K) Potential voltage of the terminal | principle of operation of the actuating element | momentary contact type | |
| 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 letters number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage sor of the terminal plastic Diesolo Roll Rol | product extension optional light source | No | |
| shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring material of the holder Plastic Display number of LED modules General technical data product component light source insulation voltage rated value 500 V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value outer than 129.45 mm customized labeling, text in lower case letters 1 29.45 mm Customized labeling, text in lower case letters 1 Pes Ususting Yes Standard Plastic Plastic Display number of LED modules 0 General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) IP20 | color of the actuating element | red | |
| outer diameter of the actuating element marking of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring color of the front ring material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value 4 by of voltage of the operating voltage surge voltage resistance rated value • of the terminal 29.45 mm Customized labeling, text in lower case letters 1 | material of the actuating element | plastic | |
| marking of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring color of the front ring material of the holder Molder material of the holder Plastic Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value o (LED modules) O (L | shape of the actuating element | round | |
| number of contact modules Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal 1 Yes Standard Plastic Plastic 0 0 Ceneral technical data product component light source No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP of the terminal | outer diameter of the actuating element | 29.45 mm | |
| 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 black Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Yes Standard Plastic Display No No O General technical data product function positive opening No No insulation voltage rated value 500 ∨ degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value Frotection class IP of the terminal Pastic Plastic No AC/DC Surge voltage resistance rated value Frote, IP69(IP69K) IP20 | marking of the actuating element | Customized labeling, text in lower case letters | |
| product component front ring design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Yes Standard Plastic Plastic Display No No Source No AC/DC Surge voltage resistance rated value of the terminal Pe66, IP67, IP69(IP69K) IP20 | number of contact modules | 1 | |
| design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal Standard plastic Standard plastic Standard standard plastic Standard standard plastic Standard stan | Front ring | | |
| material of the front ring black Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP of the terminal IP20 | product component front ring | Yes | |
| color of the front ring Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal black Plastic No 0 Comparison No No Source No Source No Source No Source No Source No Source No IP66, IP67, IP69(IP69K) IP66, IP67, IP69(IP69K) IP20 | design of the front ring | Standard | |
| material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20 | material of the front ring | plastic | |
| Display Plastic number of LED modules 0 General technical data No product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) of the terminal IP20 | color of the front ring | black | |
| Display number of LED modules 0 General technical data product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20 | Holder | | |
| number of LED modules General technical data product function positive opening No product component light source No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal o o o o o o o o o o o o o | material of the holder | Plastic | |
| General technical data product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) of the terminal IP20 | Display | | |
| product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal No No No AC/DC Surge voltage rated value 6 kV Protection class IP IP66, IP67, IP69(IP69K) IP20 | number of LED modules | 0 | |
| product component light source insulation voltage rated value 500 V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal No 800 AC/DC 6 kV IP66, IP67, IP69(IP69K) IP20 | General technical data | | |
| insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal of the terminal of the terminal of the voltage rated value protection class IP IP66, IP67, IP69(IP69K) IP20 | product function positive opening | No | |
| degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) ● of the terminal IP20 | product component light source | No | |
| type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal AC/DC 6 kV IP66, IP67, IP69(IP69K) IP20 | insulation voltage rated value | 500 V | |
| surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) ● of the terminal IP20 | degree of pollution | 3 | |
| protection class IP IP66, IP67, IP69(IP69K) ● of the terminal IP20 | type of voltage of the operating voltage | AC/DC | |
| • of the terminal IP20 | surge voltage resistance rated value | 6 kV | |
| | protection class IP | IP66, IP67, IP69(IP69K) | |
| degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 | of the terminal | IP20 | |
| | 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 | 3 600 1/h |
| mechanical service life (switching cycles) typical | 10 000 000 |
| electrical endurance (switching cycles) typical | 10 000 000 |
| thermal current | 10 A |
| reference code according to IEC 81346-2 | S |
| continuous current of the C characteristic MCB | 10 A; for a short-circuit current smaller than 400 A |
| continuous current of the quick DIAZED fuse link | 10 A |
| continuous current of the DIAZED fuse link gG | 10 A |
| Substance Prohibitance (Date) | 10/01/2014 |
| operating voltage | |
| • at AC | |
| — at 50 Hz rated value | 5 500 V |
| — at 60 Hz rated value | 5 500 V |
| at DC rated value | 5 500 V |
| Power Electronics | |
| contact reliability | One maloneration per 100 million (17 \/ 5 m\) one maloneration per 10 |
| Contact reliability | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
| Auxiliary circuit | |
| design of the contact of auxiliary contacts | Silver alloy |
| number of NC contacts for auxiliary contacts | 0 |
| | 1 |
| number of NO contacts for auxiliary contacts | |
| Connections/ Terminals | |
| type of electrical connection | screw-type terminals |
| of modules and accessories | Screw-type terminal |
| type of connectable conductor cross-sections | |
| solid with core end processing | 2x (0.5 0.75 mm²) |
| solid without core end processing | 2x (1.0 1.5 mm²) |
| finely stranded with core end processing | 2x (0.5 1.5 mm²) |
| finely stranded without core end processing | 2x (1,0 1,5 mm²) |
| at AWG cables | 2x (18 14) |
| tightening torque of the screws in the bracket | 1 1.2 N·m |
| tightening torque with screw-type terminals | 0.8 0.9 N·m |
| 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%, no condensation in operation permitted for all devices behind front panel) |
| Installation/ mounting/ dimensions | |
| fastening method | front plate mounting |
| of modules and accessories | Front plate mounting |
| height | 40 mm |
| width | 30 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 | 49.7 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=3SU1100-0AB20-1BA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB20-1BA0-Z Y12

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB20-1BA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB20-1BA0-Z Y12&lang=en

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