SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic with metal front ring, black, pushbutton, flat, momentary contact type, with holder, 1 NC, screw terminal, with laser labeling, upper case

| product brand name | SIRIUS ACT |
|--|--|
| product designation | Pushbuttons |
| design of the product | Complete unit |
| product type designation | 3SU1 |
| product line | Plastic with metal front ring, matt, 22 mm |
| manufacturer's article number | |
| of supplied contact module at position 1 | 3SU1400-1AA10-1CA0 |
| of the supplied holder | 3SU1550-0AA10-0AA0 |
| of the supplied actuator | 3SU1030-0AB10-0AA0 |
| number of command points | 1 |
| Actuator | |
| design of the actuating element | Button, flat |
| principle of operation of the actuating element | momentary contact type |
| product extension optional light source | No |
| color of the actuating element | black |
| material of the actuating element | plastic |
| shape of the actuating element | round |
| outer diameter of the actuating element | 29.45 mm |
| marking of the actuating element | Any inscription, text in upper case |
| number of contact modules | 1 |
| Front ring | |
| product component front ring | Yes |
| design of the front ring | Standard |
| material of the front ring | Metal, matt |
| color of the front ring | sand gray |
| Holder | |
| material of the holder | Plastic |
| Display | |
| number of LED modules | 0 |
| General technical data | |
| product function positive opening | Yes |
| 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 |
| degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |

| shock resistance according to IEC 80086-2.27 for railway applications according to EN 81373 category 1, Class B category 2, Class Class 2, Class 2 | | |
|--|--|---|
| * for railway applications according to EN 61373 Whatton resistance * according to ISE 05088-2.6 * for railway applications according to EN 61373 peraling frequency maximum mechanical service life (awtiching cycles) typical lectrical endurance (awtiching cycles) typical fleeting and an according to ISE 81346-2 continuous current of the G characteristic MOB continuous current of the OLAZED fuse link gG substance Prohibitance (Datz) operating voltage * at AC — at 50 Hz rated value — at 80 Hz rated value 5 500 V Auxiliary circuit design of the contact of auxiliary contacts 1 unmber of No contacts for auxiliary contacts 1 unmber of No contacts for auxiliary contacts 1 unmber of No contacts for auxiliary contacts 2 value 4 va | | |
| with a contingio IEC 80088-2-8 • for reliway applications according to EN 61373 operating frequency maximum mechanical service life (withding cycles) typical for reliway applications according to EN 61373 operating frequency maximum 3 800 1h mechanical service life (withding cycles) typical 10 000 000 electrical endurance (switching cycles) typical 10 000 000 termal current 10 A reference code according to IEC 81346-2 Socontinuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link gG continuous current of the Quick DIAZED fuse link gG continuous current of the Quick DIAZED fuse link gG substance Prohibitance (Date) operating voltage • st AC — at 50 Hz rated value — at 60 Hz rated val | 3 | |
| • scording to IEC 60086-26 • for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81348-2 continuous current of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the DIAZED fuse link g Substance Profibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz | | Category 1, Class B |
| • for railway applications according to EN 61373 Category 1, Class B | | |
| operating frequency maximum as 600 1/h mechanical service life (ewitching cycles) typical 10 000 000 10 10 000 000 10 10 000 000 | according to IEC 60068-2-6 | 10 500 Hz: 5g |
| mechanical service life (switching cycles) pipical electrical endurance (switching cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link gG continuous current of the Quick DIAZED fuse link gG continuous current of the Quick DIAZED fuse link gG substance Prohibitance (Date) operating voltage - at 80 Hz rated value - at 60 Hz rated value - bull of the contact of auxiliary contacts - 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 - unumber of NC contacts for auxiliary contacts - unumber of NC contacts for auxiliary contacts - of modules and accessories Vipe of one-cateable conductor cross-sections - solid with core end processing - solid with core en | for railway applications according to EN 61373 | Category 1, Class B |
| electrical endurance (switching cycles) typical thermal current thermal current thermal current treference code according to IEC 81348-2 continuous current of the guice IMAZED fuse link continuous current of the pulse at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value — at 60 Hz rated value — so 00 V extracted value — at 60 Hz rated value — so 00 V extracted value | operating frequency maximum | 3 600 1/h |
| thermal current reference code according to IEC 81346-2 Sonthinuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link g0 Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value — st DC rated value st DC rated value st DC rated value st DC rated value st DC rated | mechanical service life (switching cycles) typical | 10 000 000 |
| reference code according to IEC 81346-2 continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link G Substance Prohibitiance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value — so for the contact of auxiliary contacts contact reliability Cone 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 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 connections/ Terminals Type of electrical connection • of modules and accessories • sold without core end processing • sold without core end processing • sold without core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables • at AWG cables are diving operation • during storage environmental category during operation according to IEC during operation • during storage environmental category during operation according to IEC during operation • of modules and accessories Front plate mounting front plate mounting front plate mounting front plate mounting mounting diameter of mounting beight installation depth 40 mm mounting beight installation depth certificates/ approvals Firent plate mounting front plate mounting mounting beight installation depth 40 mm mounting beight installation and Downloadcenter (Catalogs, Brochures,) thttps://www.skienes.co.nicl.10 | electrical endurance (switching cycles) typical | 10 000 000 |
| continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the Quick DIAZED fuse link gd Substance Prohibitance (Date) operating voltage et al AC | thermal current | 10 A |
| continuous current of the Quick DIAZED fuse link Q | reference code according to IEC 81346-2 | S |
| Continuous current of the DIAZED fuse link gG 10 A | continuous current of the C characteristic MCB | 10 A; for a short-circuit current smaller than 400 A |
| Substance Prohibitance (Date) operating voltage • at AC | continuous current of the quick DIAZED fuse link | 10 A |
| operating voltage | continuous current of the DIAZED fuse link gG | 10 A |
| • at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value 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 1 mumber of NC contacts for auxiliary contacts 1 mumber of NO contacts for auxiliary contacts 1 mumber of NO contacts for auxiliary contacts 2 connections/ Terminals type of electrical connection • of modules and accessories • solid with core end processing • solid with core end processing • solid with core end processing • finely stranded with core end processing • at AWG cables • during forque with screw-type terminals Ambient conditions ambient temperature • during operation according to IEC 60721 condensation in operation permitted for all devices behind front panel) ristallation/ mounting/ dimensions fastening method • of modules and accessories Front plate mounting height 40 mm width shape of the installation opening round mounting diameter 22.3 mm positive tolerance of installation diameter mounting height 11 mm installation width 29.5 mm installation width 11 mm installation width 12.9.5 mm Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | Substance Prohibitance (Date) | 10/01/2014 |
| - at 50 Hz rated value - at 60 Hz rated value 5 500 V et at 60 Hz rated value 5 500 V Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (6 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts connections/ Tominals Type of electrical connection • of modules and accessories • solid with cure end processing • solid without core end processing • finely stranded with core end processing • finely stranded without sore with processing • finely stranded | operating voltage | |
| - at 00 Hz rated value 5 500 V Power Electronics contact reliability | • at AC | |
| at DC rated value 5 500 V Power Electronics contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • finely stranded with core end processing • rinely stranded with core end processing • at AWC cables tightening torque of the screw-type terminals * tightening torque of the screw-type terminals * tightening torque with screw-type terminals * to Ambient conditions * ambient temperature • during operation • during storage * environmental category during operation according to IEC * environmental category during operation according to IEC * environmental category during operation • of modules and accessories * fence the screw of the s | — at 50 Hz rated value | 5 500 V |
| 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 | — at 60 Hz rated value | 5 500 V |
| Contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 Connections/ Terminals 1 type of electrical connection | at DC rated value | 5 500 V |
| Contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 Connections/ Terminals 1 type of electrical connection | Power Electronics | |
| million (6 V, 1 mA) Auxillary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 Connections/ Terminals type of electrical connection • of modules and accessories • solid with core end processing • solid with core end processing • solid without core end processing • finely stranded with out core end processing • at AWG cables tightening torque of the screws in the bracket itightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories Front plate mounting mounting plaineter positive tolerance of installation diameter mounting height installation width installation width installation and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/icfi 0 | | One maloperation per 100 million (17 V 5 mA), one maloperation per 10 |
| design of the contact of auxiliary contacts 1 1 1 1 1 1 1 1 1 | oontaot ronasmity | |
| design of the contact of auxiliary contacts 1 1 1 1 1 1 1 1 1 | Auxiliary circuit | |
| number of NC contacts for auxiliary contacts 0 0 connection/ Terminals type of electrical connection | | Silver alloy |
| number of NO contacts for auxiliary contacts type of electrical connection of modules and accessories solid with core end processing elinely stranded with core end processing at AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals ambient temperature during operation during storage environmental category during operation according to IEC 60721 Installation/mounting/dimensions fastening method of modules and accessories esciption front plate mounting front plate mounting front plate mounting mounting diameter positive tolerance of installation diameter mounting height installation depth certificates/approvals Further information Information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| type of connections/ Terminals type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • type of connectable conductor cross-sections • solid without core end processing • solid without core end processing • finely stranded without core end processing • finely stranded without core end processing • type of connectable conductor core end processing • type of connectable conductors in the bracket • type of connectable conductors • type | | |
| type of electrical connection of modules and accessories type of connectable conductor cross-sections osolid with core end processing finely stranded without core end processing for the processing finely stranded without end processing for the processing front plate mounting formation in operation permitted for all devices behind front panel) front plate mounting for mounting diameter front plate mounting formation and pownladcenter (Catalogs, Brochures,) further information information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | _ | |
| of modules and accessories type of connectable conductor cross-sections | | screw-type terminals |
| type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables • at AWG cables | | |
| solid with core end processing solid without end with screw-type terminals solid with solid with solid without end without end without end with shape of the installation diameter solid without end with end without end without end with e | | Ociew-type terminar |
| solid without core end processing finely stranded with core end processing finely stranded without core end processing e finely stranded without core end processing e at AWG cables 2x (1,0 1,5 mm²) ex (1,5 1,5 mm²) ex (1,6 1,5 mm²) | | 2v (0.5 0.75 mm²) |
| • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables 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 Ambient conditions ambient temperature • during operation • during storage • during operation according to IEC 60721 ambient conditions fastening method • of modules and accessories height width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter positive tolerance of installation diameter mounting height installation width 29.5 mm installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/iic10 | · | |
| inely stranded without core end processing 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 40 +80 °C environmental category during operation according to IEC 60721 tightening torque with screw-type terminals fastening method of modules and accessories fastening method of modules and accessories height width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width 29.5 mm installation width 11 mm installation depth Certificates/ approvals Further information- Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/iic10 | | |
| e at AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Ambient conditions ambient temperature e during operation for21 environmental category during operation according to IEC 80721 astallation/ mounting/ dimensions fastening method front plate mounting e of modules and accessories height width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width stallation width stallation width installation depth Certificates/ approvals Further Information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| tightening torque of the screws in the bracket tightening torque with screw-type terminals Ambient conditions ambient temperature | , | |
| tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 installation/ mounting/ dimensions fastening method • of modules and accessories height width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width 29.5 mm installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height 11 mm installation width 29.5 mm installation depth Certificates/ approvals Further information- Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width installation width 29.5 mm installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | 0.6 0.9 N·III |
| during operation during storage environmental category during operation according to IEC environmental category during operation according to IEC 80721 Installation/ mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| olduring storage environmental category during operation according to IEC environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories height width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | • | 05 .70 %0 |
| environmental category during operation according to IEC 60721 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 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 | 3 1 | |
| 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 | | |
| fastening method | | obstacled for all devices permitted for all devices permit from pariety |
| of modules and accessories Front plate mounting height 40 mm width 30 mm shape of the installation opening 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 | - | front plate mounting |
| height 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 | | |
| 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 | | |
| shape of the installation opening 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 | | |
| mounting diameter positive tolerance of installation diameter nounting height installation width installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| positive tolerance of installation diameter mounting height installation width 29.5 mm installation depth 49.7 mm Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| mounting height installation width 29.5 mm installation depth 49.7 mm Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| installation width installation depth 49.7 mm Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | • | |
| installation depth Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| Certificates/ approvals Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | | |
| Further information Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | · | 49.7 mm |
| Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 | Certificates/ approvals | |
| https://www.siemens.com/ic10 | Further information | |
| | |) |
| industry mail (Unline ordering system) | | |
| | industry Mail (Unline ordering system) | |

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1130-0AB10-1CA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-0AB10-1CA0-Z Y11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-0AB10-1CA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-0AB10-1CA0-Z Y11&lang=en

1/26/2022 last modified: