SIEMENS

Data sheet



Electronics module IO-Link for ID key-operated switch, freely-programmable electronic switches, controller and RFID authentication of the switching function, black, operating voltage 24 V DC, screw terminal, for front plate mounting, for industrial application in control cabinets and machines

| product type designation product type designation SSU1 Actuator product extension optional light source Contact block/ lampholder socket design other Display number of LEDs General technical data insulation voltage rated value degree of poliution 3 type of voltage of the operating voltage of the operating voltage of the input voltage resistance rated value consumed current maximum protection class IP reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage at DC rated value at DC rated value at DC rated value operating voltage 18 30 V consumed current maximum 48 mA protection class IP reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage at DC rated value 18 30 V at DC rated value 24 V operating voltage 1 at DC rated value Operating voltage 1 at DC rated value 24 V Operating voltage 1 at DC rated value 25 V Operating voltage apupty via input/output link master data volume of the address range of the inputs with cyclical transfer total auxiliary circuit number of NC contacts for auxiliary contacts number of digital inputs other accounts of the contacts for auxiliary contacts number of digital inputs of the accidence of the contacts for auxiliary contacts number of digital inputs of the accidence of the contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of digital inputs of the accidence of the contacts for auxiliary contacts number of digital inputs of the accidence of the contacts for auxiliary contacts number of digital inputs of the accidence of the contact of the contacts for auxiliary contacts number of of NC contacts for auxiliary contacts number of NC contac | product brand name | SIRIUS ACT | | |
|--|---|--|--|--|
| Actuator product extension optional light source Socket design Other socket design Other Display number of LEDs 4 General technical data insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage of the input voltage of the input voltage surge voltage resistance rated value 0.8 kV consumed current maximum protection class IP Substance Prohibitance (Date) 0.0 type of voltage 0 to 1001/2014 operating voltage 1 table value 1 table value 2 tal V coperating voltage 1 tal DC rated value 2 tal V coperating voltage 1 tal CC rated value 2 tal V coperating voltage 1 tal CC rated value 2 tal V coperating voltage 1 tal CC rated value 2 tal V coperating voltage 1 to C rated value 2 tal CC rated value 2 tal V coperating voltage 1 tal CC rated value 2 tal CC rated value 3 tal CC rated value 4 tal CC rated value 5 tal CC rated value 6 tal CC rated value 7 tal CC rated value 8 tal CC rated value 9 tal CC rated value | product designation | Electronic module for ID key-operated switches | | |
| product extension optional light source Contact block I tamphoter socket design Display number of LEDs 4 General technical data insulation voltage rated value degree of pollution type of voltage • of the operating voltage • of the input voltage of the input voltage of the operating voltage profection class IP reference code according to IEC 81346-2 Preference code according to IEC 81346-2 Pref | product type designation | 3SU1 | | |
| Socket design other othe | Actuator | | | |
| socket design other Display number of LEDs 4 General technical data insulation voltage rated value | product extension optional light source | No | | |
| Display number of LEDs General technical data insulation voltage rated value degree of pollution type of voltage of the input voltage of the input voltage DC surge voltage resistance rated value 0.8 kV consumed current maximum 49 mA protection class IP prevaluation (Date) protection class IP reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage orated value 18 30 V at DC rated value 24 V consumication/ Protocol protocol is supported IO-Link protocol Protocol is supported IO-Link protocol type of voltage supply via input/output link master data volume of the address range of the inputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of Gligital inputs number of digital inputs | Contact block/ lampholder | | | |
| number of LEDs General technical data Insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage of the input voltage of the input voltage of the input voltage of the input voltage DC surge voltage resistance rated value 0.8 kV consumed current maximum 49 mA protection class IP IP20, clamping screw tightened reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 operating voltage rated value 18 30 V 24 V operating voltage 18 CT acted value 24 V Communication/ Protocol Iprotocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of digital inputs 0 COM2 (384 in Protocol Delication (Annume) 0 byte 0 byte 0 byte 0 communication (Annume) 0 byte 0 contacts for auxiliary contacts 0 common (Annume) 0 contacts for auxiliary contacts 0 contacts for auxiliary contacts | socket design | other | | |
| Insulation voltage rated value 30 V | Display | | | |
| insulation voltage rated value degree of pollution type of voltage of the operating voltage of the operating voltage of the input voltage of the input voltage DC surge voltage resistance rated value consumed current maximum 49 mA protection class IP reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage orated value at DC rated value operating voltage orated value 24 V operating voltage 14 DC rated value 24 V operating voltage 10-Link protocol protocol is supported IO-Link protocol protocol is supported IO-Link protocol point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of digital inputs 0 DC DC BC BC BC BC BC BC BC BC | number of LEDs | 4 | | |
| type of voltage of the operating voltage of the input voltage surge voltage resistance rated value consumed current maximum protection class IP reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage rated value at DC rated value at DC rated value operating voltage 1 at DC rated value 24 V communication/ Protocol protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage snape of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of Od contacts for auxiliary contacts number of digital inputs DC DC DC DC DC DC DC DC DC D | General technical data | | | |
| type of voltage • of the operating voltage • of the input voltage of the input voltage DC surge voltage resistance rated value consumed current maximum 49 mA protection class IP reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage • rated value • at DC rated value • at DC rated value 24 V Communication/ Protocol protocol is supported IO-Link protocol Protocol is supported IO-Link protocol protocol is supported IO-Link protocol 10-Link transfer rate point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master 4ata volume • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of digital inputs 0 DC 0 | insulation voltage rated value | 30 V | | |
| of the operating voltage of the input voltage of the input voltage surge voltage resistance rated value o.8 kV consumed current maximum protection class IP inproved code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage | degree of pollution | 3 | | |
| of the input voltage surge voltage resistance rated value onsumed current maximum 49 mA protection class IP IP20, clamping screw tightened reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage | type of voltage | | | |
| surge voltage resistance rated value consumed current maximum protection class IP reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage • rated value • at DC rated value operating voltage 1 at DC rated value 24 V Communication/ Protocol protocol is supported IO-Link protocol protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total • of the contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of digital inputs | of the operating voltage | DC | | |
| consumed current maximum protection class IP IP20, clamping screw tightened reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage • rated value • at DC rated value operating voltage 1 at DC rated value 24 V Communication/ Protocol protocol is supported IO-Link protocol Protocol is supported IO-Link protocol point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of digital inputs 10/01/2014 PP20, clamping screw tightened 10/01/2014 PP20, clamping screw tightened 10/01/2014 18 30 V 24 V COM2 (38,4 kBaud) 10 ms 4 device minimum 2 byte 4 of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total • of the outputs with cyclical transfer total 10 byte | of the input voltage | DC | | |
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| reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 operating voltage • rated value • at DC rated value 24 V communication/ Protocol protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master 4 of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 10/01/2014 18 30 V 24 V COM2 (38,4 kBaud) 10 ms 4 ves 4 byte 5 byte 6 byte 10 byte | consumed current maximum | 49 mA | | |
| Substance Prohibitance (Date) operating voltage • rated value • at DC rated value • at DC rated value 24 V operating voltage 1 at DC rated value 24 V Communication/ Protocol protocol is supported IO-Link protocol Protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master 4 total • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total • of the contacts for auxiliary contacts number of NC contacts for auxiliary contacts 10 total Auxiliary circuit number of NO contacts for auxiliary contacts 5 Inputs/ Outputs number of digital inputs | protection class IP | IP20, clamping screw tightened | | |
| operating voltage • rated value • at DC rated value • at DC rated value 24 V operating voltage 1 at DC rated value 24 V Communication/ Protocol protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master 4 data volume • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total Auxilliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 18 30 V 24 V Communication/ Protocol Yes COM2 (38,4 kBaud) 10 ms 4 byte 2 byte 4 byte 4 byte 5 byte 10 byte | reference code according to IEC 81346-2 | Р | | |
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| at DC rated value operating voltage 1 at DC rated value 24 V Communication/ Protocol protocol is supported IO-Link protocol Protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of digital inputs 0 24 V 24 V Communication/ Protocol Yes COM2 (38,4 kBaud) 10 ms 2 byte 2 byte 0 byte | operating voltage | | | |
| operating voltage 1 at DC rated value Communication/ Protocol protocol is supported IO-Link protocol IO-Link transfer rate point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of digital inputs 12 by te 2 by te 0 by te 1 by te 1 contacts for auxiliary contacts 0 contacts for auxiliary contacts 5 contacts for auxiliary contacts 1 contacts for auxiliary contacts 2 do the auxiliary contacts 3 contacts for auxiliary contacts 4 contacts for auxiliary contacts 5 contacts for auxiliary contacts 1 co | • rated value | 18 30 V | | |
| Communication/ Protocol protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Inputs/ Outputs number of digital inputs | at DC rated value | 24 V | | |
| protocol is supported IO-Link protocol IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Inputs/ Outputs number of digital inputs 0 COM2 (38,4 kBaud) 10 ms 2 byte 2 byte 0 byte | operating voltage 1 at DC rated value | 24 V | | |
| IO-Link transfer rate COM2 (38,4 kBaud) point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Inputs/ Outputs number of digital inputs COM2 (38,4 kBaud) 10 ms 10 ms 2 byte 2 byte 5 byte 10 byte | Communication/ Protocol | | | |
| point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master Yes data volume of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Inputs/ Outputs number of digital inputs 0 minimum 10 ms 1 | protocol is supported IO-Link protocol | Yes | | |
| type of voltage supply via input/output link master data volume of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Inputs/ Outputs number of digital inputs 0 | IO-Link transfer rate | COM2 (38,4 kBaud) | | |
| data volume • of the address range of the inputs with cyclical transfer total • of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts function of the inputs of the inputs with cyclical transfer total O byte | | 10 ms | | |
| of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Inputs/ Outputs number of digital inputs 0 | type of voltage supply via input/output link master | Yes | | |
| total • of the address range of the outputs with cyclical transfer total Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 5 Inputs/ Outputs number of digital inputs 0 byte | data volume | | | |
| Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts for auxiliary c | | 2 byte | | |
| number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 5 Inputs/ Outputs number of digital inputs 0 | | 0 byte | | |
| number of NO contacts for auxiliary contacts 5 Inputs/ Outputs number of digital inputs 0 | Auxiliary circuit | | | |
| Inputs/ Outputs number of digital inputs 0 | number of NC contacts for auxiliary contacts | 0 | | |
| number of digital inputs 0 | number of NO contacts for auxiliary contacts | 5 | | |
| | Inputs/ Outputs | | | |
| • safety-related 0 | number of digital inputs | 0 | | |
| | safety-related | 0 | | |

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| number of digital outputs | | 5 | | | |
|--|--|--------------------------------------|---|------------------------------------|--|
| output voltage at digital output at DC rate | d value | 23.5 V | | | |
| output current per output | | 250 mA | | | |
| Connections/ Terminals | | | | | |
| type of electrical connection | | screw-type terminals | | | |
| type of connectable conductor cross-sect | tions | | | | |
| solid without core end processing | | 1x (0.2 2.5 mm²) | | | |
| • finely stranded with core end processi | ng | 1x (0.25 1.5 mm²), 2x (0.5 0.75 mm²) | | | |
| finely stranded without core end proce | essing | 1x (0.2 2.5 mm²), 2x (0.2 0.75 mm²) | | | |
| • for AWG cables | | 1x (26 14) | | | |
| tightening torque with screw-type terminals | | 0.4 0.4 N·m | | | |
| Product Function | | | | | |
| product function parameterizable | | Yes | | | |
| Safety related data | | | | | |
| MTBF | | | | | |
| ● at 70 °C | | 138 a | | | |
| at full load at 25 °C | | 141 a | | | |
| touch protection against electrical shock | | finger-safe | | | |
| Ambient conditions | | | | | |
| ambient temperature | | | | | |
| during operation | | -25 +70 °C | | | |
| during storage | | -40 +80 °C | | | |
| environmental category during operation acc 60721 | ental category during operation according to IEC | | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) | | |
| nstallation/ mounting/ dimensions | | | | | |
| fastening method | | front plate mounting | | | |
| of modules and accessories | | Front plate mounting | | | |
| height | | 36 mm | | | |
| width | | 50 mm | | | |
| depth | | 36.4 mm | | | |
| required spacing with side-by-side mounting | | | | | |
| forwards | | 100 mm | | | |
| backwards | | 100 mm | | | |
| upwards | | 100 mm | | | |
| downwards | | 100 mm | | | |
| • at the side | | 100 mm | | | |
| Measuring circuit | | | | | |
| product function | | IO-Link 24 V DC | | | |
| Certificates/ approvals | | | | | |
| General Product Approval | Declaration of | Conformity | Test Certificates | | |
| Confirmation | C E | UK CA | Special Test Certificate | Type Test Certificates/Test Report | |

other

Environment

Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1400-1GE10-1AA0

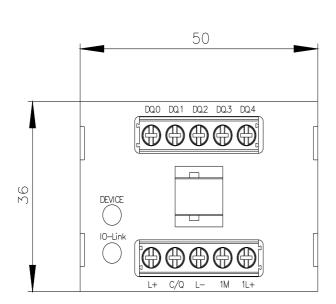
Cax online generator

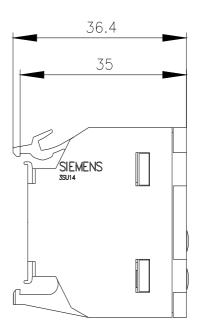
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-1GE10-1AA0}$

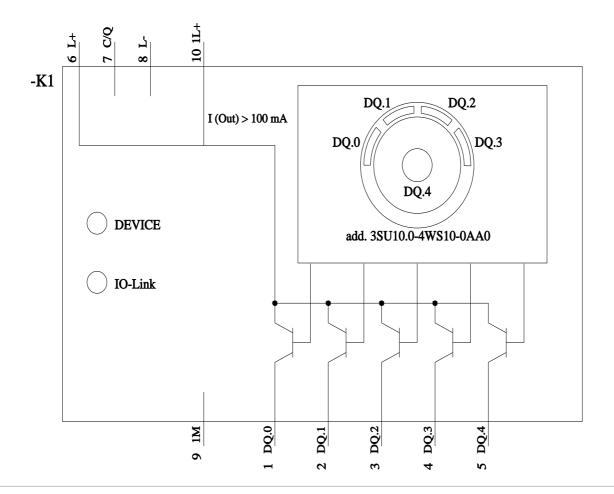
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1GE10-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1GE10-1AA0&lang=en







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