## **SIEMENS**

## **Data sheet**



RONIS key-operated switch, 22 mm, round, metal, shiny, special lock, with 2 keys, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, key removal O, possible special locks: SB31, 421, 455

| product designation design of the product period design of the product product period design of the product period design of the product line  Actuator  product line  Metal, shiny, 22 mm  Actuator  principle of operation of the actuating element product extension optional light source color  | product brand name                                 | SIRIUS ACT                       |
|--|--|----------------------------------|
| product type designation product line  Metal, shiny, 22 mm  Metal, shiny, 22 mm  Actuator  principle of operation of the actuating element injth. left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source  color  of the actuating element sliver material of the actuating element Heal shape of the actuating element Sapae of the actuating Sapae of the actuating Sapae of the actuating Sapae of the front ring S | product designation                                | Key-operated switches            |
| product line Actuator  principle of operation of the actuating element product extension optional light source of the actuating element actuating element silver material of the actuating element shape of the catuating element shape of the colockwise switch position for key distraction octuating angle electrockwise e | design of the product                              | Actuating/signaling element      |
| Actuator  principle of operation of the actuating element injuht, left latching product extension optional light source of the actuating element silver  material of the actuating element metal shape of the actuating element (Key)  outer diameter of the actuating (Key)  for outer diameter of the actuating (Key)  outer diameter of the actuating outer (Key)  outer di | product type designation                           | 3SU1                             |
| Actuator  principle of operation of the actuating element injuht, left latching product extension optional light source of the actuating element silver  material of the actuating element metal shape of the actuating element (Key)  outer diameter of the actuating (Key)  for outer diameter of the actuating (Key)  outer diameter of the actuating outer (Key)  outer di | product line                                       | Metal, shiny, 22 mm              |
| right, left latching  product extension optional light source  color  of the actuating element material of the actuating element shape of the actuating element voter diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise front ring  product component front ring design of the front ring material of the front ring Standard material of the front ring General technical data  protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions   |  |                                  |
| color  | principle of operation of the actuating element    |                                  |
| • of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element number of switching positions 3 switch position for key distraction O actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise  Iook make  Front ring  product component front ring design of the front ring material of the front ring material of the front ring  General technical data  protection class IP • of the terminal IP20  degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  with a conditions  silver  1 20 500 Hz: 5g operating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date)  1 1/0/1/2014  Ambient conditions   | product extension optional light source            | No                               |
| material of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element switch position for the distraction actuating angle clockwise shaticlockwise anticlockwise shaticlockwise shaticlockwis | color  |                                  |
| shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction o actuating angle o clockwise anticlockwise anticlockwise anticlockwise front ring product component front ring design of the front ring material of the front ring silver color of the front ring general technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Substance Prohibitance (Date) Substance Prohibitance (Date) Ambient conditions  | <ul> <li>of the actuating element</li> </ul>       | silver                           |
| outer diameter of the actuating element number of switching positions  switch position for key distraction  o actuating angle e clockwise anticlockwise front ring  product component front ring design of the front ring material of the front ring  General technical data  protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions  | material of the actuating element                  | metal                            |
| number of switching positions  switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  • anticlockwise  Iok make  Front ring  product component front ring  design of the front ring  material of the front ring  general technical data  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  wibration resistance  • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  | shape of the actuating element                     | Key                              |
| switch position for key distraction  actuating angle  clockwise  anticlockwise  A5°  A0NIS  Front ring  product component front ring  design of the front ring  material of the front ring  Color of the front ring  general technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  vibration resistance  according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81348-2  Substance Prohibitance (Date)  Ambient conditions  | outer diameter of the actuating element            | 29.5 mm                          |
| actuating angle  | number of switching positions                      | 3                                |
| clockwise     anticlockwise     lock make     RONIS  Front ring  product component front ring     design of the front ring     material of the front ring     color of the front ring     silver  General technical data  protection class IP     of the terminal     degree of protection NEMA rating     shock resistance     according to IEC 60068-2-27     vibration resistance     according to IEC 60068-2-6     operating frequency maximum     mechanical service life (switching cycles) typical     reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions   | switch position for key distraction                | 0                                |
| ■ anticlockwise  | actuating angle                                    |                                  |
| lock make RONIS  Front ring  product component front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver  General technical data  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 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  | • clockwise  | 45°                              |
| product component front ring  design of the front ring  material of the front ring  Color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  vibration resistance  according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  | <ul> <li>anticlockwise</li> </ul>                  | 45°                              |
| product component front ring  design of the front ring  material of the front ring  color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  vibration resistance  according to IEC 60068-2-6  operating frequency maximum  nechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance (Date)  Ambient conditions   | lock make  | RONIS                            |
| design of the front ring material of the front ring material of the front ring  color of the front ring silver  General technical data protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance of according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions  | Front ring   |                                  |
| material of the front ring color of the front ring silver  General technical data  protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 vibration resistance of according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Metal, high gloss silver  IP66, IP67, IP69(IP69K)  IP20  | product component front ring                       | Yes                              |
| color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  sinusoidal half-wave 15g / 11 ms  vibration resistance  o according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions   | design of the front ring                           | Standard                         |
| General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  according to IEC 60068-2-6  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  | material of the front ring                         | Metal, high gloss                |
| protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  occording to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  occording to IEC 60068-2-6  operating frequency maximum  nechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions   | color of the front ring                            | silver                           |
| ● of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  ● according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  ● according to IEC 60068-2-6  10 500 Hz: 5g  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  | General technical data                             |                                  |
| degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  • according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  • according to IEC 60068-2-6  • according to IEC 60068-2-6  10 500 Hz: 5g  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions   | protection class IP                                | IP66, IP67, IP69(IP69K)          |
| shock resistance   | of the terminal                                    | IP20                             |
| ■ according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance     ■ according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 300 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  | degree of protection NEMA rating                   | 1, 2, 3, 3R, 4, 4X, 12, 13       |
| vibration resistance   | shock resistance                                   |                                  |
| ● according to IEC 60068-2-6  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions   | <ul> <li>according to IEC 60068-2-27</li> </ul>    | sinusoidal half-wave 15g / 11 ms |
| operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 300 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions   | vibration resistance                               |                                  |
| mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  300 000  10/01/2014  | according to IEC 60068-2-6                         | 10 500 Hz: 5g                    |
| reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions  | operating frequency maximum                        | 1 800 1/h                        |
| Substance Prohibitance (Date) 10/01/2014 Ambient conditions  | mechanical service life (switching cycles) typical | 300 000                          |
| Ambient conditions   | reference code according to IEC 81346-2            | S                                |
|  | Substance Prohibitance (Date)                      | 10/01/2014                       |
| ambient temperature  | Ambient conditions                                 |                                  |
|  | ambient temperature                                |                                  |

| <ul> <li>during operation</li> </ul>                           | -25 +70 °C   |
|--|--|
| during storage   | -40 +80 °C   |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%) |
| Installation/ mounting/ dimensions                             |  |
| height   | 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  | 49.4 mm  |
| installation width   | 29.5 mm  |
| installation depth   | 25.4 mm  |
| Certificates/ approvals  |  |
| Further information  |  |

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-4BN01-0AA0-Z Y01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-4BN01-0AA0-Z Y01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-4BN01-0AA0-Z Y01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-4BN01-0AA0-Z Y01&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-4BN01-0AA0-Z Y01&lang=en</a>

1/26/2022 last modified: