## **SIEMENS**

## **Data sheet**



RONIS key-operated switch, 22 mm, round, plastic with metal front ring, lock number SB30, with 2 keys, 2 switch positions O<I, momentary contact type, Actuating angle 45°, 10:30h/12h, key removal O, possible special locks: SB31, 421, 455 Z=50-unit packaging

| product designation design of the product product type designation product type designation product type designation anufacturer's article number of included key assures article number of included key 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 number of switching positions witch position for key distraction actuating angle clock wake RONIS key number standard rort ing product component front ring design of the front ring material of the front ring material of the front ring design of the front ring sand gray Color of the front ring solor of the front ring | product brand name   | SIRIUS ACT  |
|--|--|---|
| product type designation product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source color  • of the actuating element metal shape of the actuating element metal shape of the actuating element  | product designation  | Key-operated switches   |
| product line manufacturer's article number of included key  Actuator principle of operation of the actuating element product extension optional light source of the actuating element silver material of the actuating element shape of the actuating element number of switching positions 2 switch position for key distraction actuating angle olockwise lock make Ronnis key number Front ring product component front ring design of the front ring color of the front ring sand gray  General technical data protection class IP of trailway applications according to EN 61373 operating frequency maximum reference code according to IEC 60088-2-6 operating frequency maximum reference code according to IEC 60088-2-8 reference code according to IEC 60188-2 S  Plastic with metal front ring, matt, 22 mm assults pasted, 22 mm assults pasted, 20 (10.30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left momentary contact, 45° (10:30 h/12 h), return from center to left product extension operation source sliver material of the actuating element sliver metal of  | design of the product  | Actuating/signaling element                                       |
| manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source  color  • of the actuating element metel  silver material of the actuating element (Key) outer diameter of the actuating element (Sey) actuating angle (Sey) actuat | product type designation   | 3SU1  |
| Actuator  principle of operation of the actuating element product extension optional light source color  | product line   | Plastic with metal front ring, matt, 22 mm                        |
| principle of operation of the actuating element product extension optional light source  color  of the actuating element silver material of the actuating element shape of the actuating element number of switching positions 2 switch position for key distraction actuating angle olockwise lock make RONIS key number  Front ring product component front ring design of the front ring material of the front ring sand gray  Color of the front ring sand gray  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 reference code according to IEC 81346-2  reference code according to IEC 81346-2  No  No  No  No  No  No  No  No  No  N   | manufacturer's article number of included key                      | 3SU1950-0FB80-0AA0  |
| product extension optional light source  color  • of the actuating element silver  material of the actuating element metal shape of the actuating element Sey outer diameter diameter of the actuating element Sey outer diameter d | Actuator   |   |
| color  • of the actuating element material of the actuating element shape of the actuating element shape of the actuating element mumber of switching positions 2 switch position for key distraction actuating angle • clockwise lock make RONIS key number Front ring product component front ring design of the front ring material of the front ring sand gray  General technical data protection class IP • of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2  Silver  metal selver metal degree of protection NEMA rating 1 0 500 Hz: 5g Category 1, Class B  vibration resistance 1 0 500 Hz: 5g Category 1, Class B   | principle of operation of the actuating element                    | momentary contact, 45° (10:30 h/12 h), return from center to left |
| • of the actuating element material of the actuating element shape of the actuating element number of switching positions 2 switch position for key distraction actuating angle • clockwise lock make key number  Front ring  product component front ring design of the front ring material of the front ring sand gray  General technical data  protection class IP • of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-7 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  vereference code according to IEC 81346-2  sinventical service life (switching cycles) typical reference code according to IEC 81346-2  sinventical service life (switching cycles) typical reference code according to IEC 81346-2  sinventical service life (switching cycles) typical reference code according to IEC 81346-2  sinventical service life (switching cycles) typical reference code according to IEC 81346-2  sinventical service life (switching cycles) typical reference code according to IEC 81346-2  | product extension optional light source                            | No  |
| material of the actuating element shape of the actuating element number of switching positions 2 switch position for key distraction octuating angle clockwise clockwise clockwase clock make sey number front ring product component front ring design of the front ring material of the front ring foliate protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2  Response switch actuating element see, see, somm code according to IEC 60068-2-8 for railway applications according to EN 61373 category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 S   | color  |   |
| shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction octuating angle eclockwise for clockwise lock make key number 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 e according to IEC 60068-2-6 e for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2  S  | <ul> <li>of the actuating element</li> </ul>                       | silver  |
| outer diameter of the actuating element     29.5 mm       number of switching positions     2       switch position for key distraction     0       actuating angle <ul> <li>clockwise</li> <li>lock make</li> <li>RONIS</li> </ul> key number             SB30           Front ring           product component front ring             Yes           design of the front ring             Metal, matt           color of the front ring             sand gray           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           of or railway applications according to EN 61373             Category 1, Class B           vibration resistance             according to IEC 60068-2-6             10 500 Hz: 5g               of or railway applications according to EN 61373             Category 1, Class B               vibration resistance             Category 1, Class B               operating frequency maximum             1 800 1th               operating frequency maximum             1 800 1th  | material of the actuating element                                  | metal   |
| number of switching positions  switch position for key distraction  actuating angle  • clockwise  lock make  key number  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  sand gray  General technical data  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S  | shape of the actuating element                                     | Key   |
| switch position for key distraction  actuating angle  • clockwise  lock make  RONIS  key number  Front ring  product component front ring  design of the front ring  material of the front ring  Sand gray  General technical data  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S  Avioration  RONIS  Atso  FONIS  Atso  | outer diameter of the actuating element                            | 29.5 mm   |
| actuating angle  • clockwise  lock make  key number  SB30  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  sand gray  General technical data  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  nechanical service life (switching cycles) typical  reference code according to IEC 81346-2  SS   | number of switching positions                                      | 2   |
| Clockwise   45°  | switch position for key distraction                                | 0   |
| lock make key number SB30  Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt color of the front ring Sand gray  General technical data protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2  S  | actuating angle  |   |
| SB30   | • 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 for railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2  Yes Standard Metal, matt standard Metal, matt sand gray  IP66, IP67, IP69(IP69K) IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20   | lock make  | RONIS   |
| product component front ring design of the front ring material of the front ring Color of the front ring sand gray  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of to railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2  Standard Metal, matt standard Metal, matt sand gray  IP66, IP67, IP69(IP69K) IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20  | key number   | SB30  |
| design of the front ring material of the front ring  Metal, matt sand gray  General technical data  protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B  vibration resistance of railway applications according to EN 61373 category 1, Class B  operating frequency maximum for railway applications according to EN 61373 category 1, Class B  operating frequency maximum for railway applications according to EN 61373 category 1, Class B  operating frequency maximum for railway applications according to EN 61373 for railway applications according to EN  | Front ring   |   |
| material of the front ring  color of the front ring  Sand gray  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  vibration resistance  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S  | product component front ring                                       | Yes   |
| color of the front ring  General technical data  protection class IP  of the terminal  lP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  o according to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  o according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S   | design of the front ring   | Standard  |
| protection class IP  of the terminal  degree of protection NEMA rating  hock resistance  of railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of or railway applications according to EN 61373  vibration resistance  of railway applications according to EN 61373  category 1, Class B  vibration resistance  of railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S  | material of the front ring   | Metal, matt   |
| protection class IP  of the terminal  lP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  of according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  of railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  vibration resistance  of railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S   | color of the front ring  | sand gray   |
| ● 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  ● for railway applications according to EN 61373 Category 1, Class B  vibration resistance  ● according to IEC 60068-2-6 10 500 Hz: 5g  ● for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 1 000 000  reference code according to IEC 81346-2 S  | 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  • for railway applications according to EN 61373 Category 1, Class B  vibration resistance  • according to IEC 60068-2-6 10 500 Hz: 5g  • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 1 000 000  reference code according to IEC 81346-2 S   | protection class IP  | IP66, IP67, IP69(IP69K)   |
| shock resistance  according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  for railway applications according to EN 61373 Category 1, Class B  vibration resistance  according to IEC 60068-2-6 10 500 Hz: 5g  for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 1 000 000  reference code according to IEC 81346-2 S   | of the terminal  | IP20  |
| <ul> <li>according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6 10 500 Hz: 5g</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>operating frequency maximum 1 800 1/h</li> <li>mechanical service life (switching cycles) typical 1 000 000</li> <li>reference code according to IEC 81346-2</li> </ul>   | degree of protection NEMA rating                                   | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| for railway applications according to EN 61373      vibration resistance         according to IEC 60068-2-6         for railway applications according to EN 61373         Category 1, Class B          operating frequency maximum  | shock resistance   |   |
| vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S  | <ul> <li>according to IEC 60068-2-27</li> </ul>                    | sinusoidal half-wave 15g / 11 ms                                  |
| <ul> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>mechanical service life (switching cycles) typical</li> <li>1 000 000</li> <li>reference code according to IEC 81346-2</li> </ul>   | <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B   |
| ● for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  S  | vibration resistance   |   |
| operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  1 000 000  reference code according to IEC 81346-2  S  | <ul> <li>according to IEC 60068-2-6</li> </ul>                     | 10 500 Hz: 5g   |
| mechanical service life (switching cycles) typical 1 000 000  reference code according to IEC 81346-2 S  | <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B   |
| reference code according to IEC 81346-2  | operating frequency maximum  | 1 800 1/h   |
|  | mechanical service life (switching cycles) typical                 | 1 000 000   |
| Substance Prohibitance (Date) 10/01/2014   | reference code according to IEC 81346-2                            | S   |
|  | Substance Prohibitance (Date)                                      | 10/01/2014  |

| 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=3SU1030-4BC01-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-4BC01-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-4BC01-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SU1030-4BC01-0AA0-Z X90&lang=en

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