## **SIEMENS**

## **Data sheet**



RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30h/12h/13:30h, Key removal O+II, possible special locks: SB31, 421, 455 Z=50-unit packaging

| product designation design of the product product type designation product type designation product line manufacturer's article number of included key Actuation  principle of operation of the actuating element product extension optional light source of the actuating element material of the actuating element shape of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise fook make key number  Front ring product component front ring design of the front ring design of the front ring color of the front ring degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of realway applications according to EN 61373 operating frequency maximum Actuating of IEO 60068-2 of realway applications according to EN 61373 operating frequency maximum Actuating of the Contension of | product brand name   | SIRIUS ACT                       |
|--|--|----------------------------------|
| product type designation product line Plastic, black, 22 mm manufacturer's article number of included key  Actuator  principle of operation of the actuating element Ineft, right latching product extension optional light source oolor  • of the actuating element Silver material of the actuating element Metal Shape of the actuating element Metal Me | 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 color  | design of the product  | Actuating/signaling element      |
| manufacturer's article number of included key  Actuator  principle of operation of the actuating element  momentary contact/latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching  product extension optional light source  of the actuating element  we of the actuating element  shape of the actuating element  cuter diameter of the actuating element  number of switching positions  switch position for key distraction  actuating angle  olockwise  anticlockwise  anticlockwise  front ring  product component front ring  design of the front ring  design of the front ring  color of the front ring  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-67  of railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  amomentary contact/latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching, 2x45 | product type designation   | 3SU1                             |
| Actuator  principle of operation of the actuating element left, right latching. 2x45° (10:30 h/12 h/13:30 h), return from left. 2x45° (10:30 h/12 h/13:30 h), return from left. 2x45° (10:30 h/12 h/13:30 h), return from left. 2x45° (10:30 h/13:30 h | product line   | Plastic, black, 22 mm            |
| 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 cuter diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise lock make key number ssao  Front ring product component front ring design of the front ring material of the front ring material of the front ring design of the front ring for the front ring for the front ring for the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of rallway applications according to EN 61373 operating frequency maximum  momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching, eleft, night latching, eleft, night latching, eleft, night latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, eleft, night latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/12 h/13:30 h), return from left, right latching, ex45° (10:30 h/13:30 h), return from left, right latching, ex45° (10:30 h/13:30 h), return from left, right latching, ex45° (10 | manufacturer's article number of included key                      | 3SU1950-0FB80-0AA0               |
| left, right latching   | Actuator   |                                  |
| color  • 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 actuating angle • clockwise • anticlockwise • anticlockwise  • anticlockwise  front ring product component front ring design of the front ring material of the front ring material of the front ring protection class IP • of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  operating frequency maximum  silver metal silver si | principle of operation of the actuating element                    |                                  |
| of the actuating element material of the actuating element metal shape of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction O+II actuating angle   | product extension optional light source                            | No                               |
| material of the actuating element shape of the actuating element shape of the actuating element cut diameter of the actuating element switching positions switch position for key distraction actuating angle clockwise defended actuating element actuating angle clockwise Afo anticlockwise Afo solock make RONIS key number SB30  Front ring product component front ring design of the front ring color of the front ring plastic color of the front ring protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373  poperating frequency maximum  metal  Rey Sey mm serval substitute Sey, mm serval substitute Subs | color  |                                  |
| shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction outer diameter of switching positions switch position for key distraction outer diameter of switching positions switch position for key distraction outer diameter of switching positions switch position for key distraction outer diameter of outer diameter of switching outer out | of the actuating element   | silver                           |
| outer diameter of the actuating element     29.5 mm       number of switching positions     3       switch position for key distraction     O+II       actuating angle <ul> <li>clockwise</li> <li>anticlockwise</li> <li>45°</li> </ul> lock make         RONIS           key number         SB30           Front ring           product component front ring         Yes           design of the front ring         Standard           material of the front ring         plastic           color of the front ring         black           General technical data         protection class IP           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 railway applications according to EN 61373         Category 1, Class B           vibration resistance         according to IEC 60068-2-6         10 500 Hz: 5g           of railway applications according to EN 61373         Category 1, Class B           operating frequency maximum         1 800 1/h  | material of the actuating element                                  | metal                            |
| number of switching positions  switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  Iock 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  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  o 45°  A5°  A5°  A5°  A5°  A5°  A5°  A5°   | shape of the actuating element                                     | Key                              |
| switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  • anticlockwise  (Color make  RONIS  key number  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  black  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  O+II  45°  45°  45°  45°  45°  45°  45°  4   | outer diameter of the actuating element                            | 29.5 mm                          |
| actuating angle  | number of switching positions                                      | 3                                |
| oclockwise     onticlockwise     onticlockw      | switch position for key distraction                                | O+II                             |
| e anticlockwise 45° lock make RONIS key number SB30  Front ring  product component front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black  General technical data  protection class IP IP66, IP67, IP69(IP69K) e of the terminal IP20  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms category 1, Class B  vibration resistance e according to IEC 60068-2-6 for railway applications according to EN 61373  operating frequency maximum 1800 1/h  product component front ring SB30  Pes SB30  Pes SB30  Pes SB30  Standard plastic black  Plastic Black  IP66, IP67, IP69(IP69K) IP20  Category 1, 2 lass B  Category 1, Class B  Operating frequency maximum 1800 1/h  | actuating angle  |                                  |
| 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 protection class IP of the terminal legree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 operating frequency maximum  RONIS PRO 1968 IP68 IP69 IP69 IP69 IP69 IP69 IP69 IP69 IP69   | • clockwise  | 45°                              |
| key number  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  black  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  of railway applications according to EN 61373  operating frequency maximum  Yes  Yes  1980  198 | anticlockwise  | 45°                              |
| 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  protection class IP  of the terminal  lP20  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  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h  | lock make  | RONIS                            |
| 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  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  category 1, Class B  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  | key number   | SB30                             |
| design of the front ring material of the front ring plastic color of the front ring black  General technical data  protection class IP of the terminal degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 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 according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B  operating frequency maximum  1 800 1/h   | Front ring   |                                  |
| material of the front ring  color of the front ring  black  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  | product component front ring                                       | Yes                              |
| color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  oaccording to IEC 60068-2-27  for railway applications according to EN 61373  vibration resistance  oaccording 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  category 1, Class B  category 1, Class B  operating frequency maximum  | design of the front ring   | Standard                         |
| protection class IP of the terminal lp20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 for 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 according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1800 1/h  | material of the front ring   | plastic                          |
| protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  of according to IEC 60068-2-27  of tor 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 according to IEC 60068-2-6  of railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h  | color of the front ring  | black                            |
| ● 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   | 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  | 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  | 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> </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      operating frequency maximum      Category 1, Class B      Category 1, Class B      10 500 Hz: 5g      Category 1, Class B      1800 1/h  | shock resistance   |                                  |
| 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   | <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>1 800 1/h</li> </ul>  | <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B              |
| <ul> <li>◆ for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Operating frequency maximum</li> <li>1 800 1/h</li> </ul>  | vibration resistance   |                                  |
| operating frequency maximum 1 800 1/h  | <ul><li>according to IEC 60068-2-6</li></ul>                       | 10 500 Hz: 5g                    |
|  | <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B              |
| mechanical service life (switching cycles) typical 1 000 000   | operating frequency maximum  | 1 800 1/h                        |
| medianed control in Containing dysics) typical   | mechanical service life (switching cycles) typical                 | 1 000 000                        |

| reference code according to IEC 81346-2                        | \$   |
|--|--|
| 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=3SU1000-4BP61-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-4BP61-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-4BP61-0AA0-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\_de.aspx?mlfb=3SU1000-4BP61-0AA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-4BP61-0AA0-Z X90&lang=en</a>

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