## **SIEMENS**

## **Data sheet**



RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O, possible special locks: SB31, 421, 455, with laser labeling, upper case

product brand name product designation design of the product product type designation product line product statuer's article number of included key  Actuator principle of operation of the actuating element product extension optional light source loor of the actuating element silver principle of the actuating element work of the actuating element silver material of the actuating element shape of the actuating element shape of the actuating element Any inscription, text in upper case number of switching positions  2 switch position for key distraction actuating angle clockwise lock make RONIS key number SB30  Front ring product component front ring design of the front ring design of the front ring plastic color of the front ring design of the front ring design of the front ring formeral technical data protection class IP of the terminal element element element lipzo 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 coperating frequency maximum  1 800 1/h  1 800 1/h		
design of the product product type designation 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 Any inscription, text in upper case number of switching positions 2 switch position for key distraction octuating angle octockwise lock make Ronnis key number  product component front ring design of the front ring product component front ring design of the front ring protection class IP of the front ring design of the front ring design of the front ring shack General technical data protection reads IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	product brand name	SIRIUS ACT
product type designation   38U1   Plastic, black, 22 mm   manufacturer's article number of included key   38U1950-0F880-0AA0   Actuator   Principle of operation of the actuating element   latching, 90* (10:30 h/13:30 h)   product extension optional light source   No   No   No   No   No   No   No   N	product designation	Key-operated switches
product line Plastic, black, 22 mm manufacturer's article number of included key  Actuator  principle of operation of the actuating element latching, 90° (10:30 h/13:30 h) product extension optional light source No  of the actuating element silver material of the actuating element Metal	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  of the actuating element sliver material of the actuating element Key outer diameter of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction actuating angle olock make RONIS key number SB30  Front ring product component front ring Standard material of the front ring plastic black of the front ring plastic color of the front ring plastic protection class IP of the terminal IP20  • of the terminal element is according to EN 61373  vibration resistance  • according to IEC 60068-2-6 of railway applications according to EN 61373  Category 1, Class B	product type designation	3SU1
principle of operation of the actuating element product extension optional light source No	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 marking of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction O actuating angle clockwise 90° lock make RONIS key number SB30  Front ring product component front ring design of the front ring color 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 60068-2-27 if or railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of rrailway applications according to EN 61373  Category 1, Class B	manufacturer's article number of included key	3SU1950-0FB80-0AA0
product extension optional light source  color  of the actuating element material of the actuating element shape of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction o actuating angle clockwise 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 60068-2-27 if or railway applications according to EN 61373  Vibration resistance according to IEC 60068-2-6 of rrailway applications according to EN 61373  Category 1, Class B	Actuator	
color  • of the actuating element material of the actuating element shape of the actuating element shape of the actuating element water of the actuating element arking of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction O actuating angle • clockwise 90° lock make RONIS key number SB30  Front ring product component front ring 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 • 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	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
of the actuating element silver     material of the actuating element Key     outer diameter of the actuating element Any inscription, text in upper case     number of switching positions 2     switch position for key distraction Oactuating angle     e clockwise 90°     lock make RONIS     key number SB30  Front ring     product component front ring Standard     material of the front ring Diack     design of the front ring Diack     Color of the front ring Diack     General technical data     protection class IP     e of the terminal Diack     degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13     shock resistance     e according to IEC 60068-2-6 of for railway applications according to EN 61373 Category 1, Class B  e outer diameter of the actuating dement of the silver.     Category 1, Class B  Category 1, Class B  Category 1, Class B  Category 1, Class B	product extension optional light source	No
material of the actuating element shape of the actuating element very diameter of the actuating element marking of the actuating positions 2 switch position for key distraction o actuating angle e clockwise 90° lock make RONIS key number SB30  Front ring product component front ring design of the front ring material 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 60068-2-27 for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 Category 1, Class B  e for railway applications according to EN 61373 Category 1, Class B  color description (Category 1, Class B  e for railway applications according to EN 61373 Category 1, Class B	color	
shape of the actuating element  outer diameter of the actuating element  marking of the actuating element  number of switching positions  switch position for key distraction  octoating angle  clockwise  lock make  RONIS  key number  Front ring  product component front ring  design 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  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  Any inscription, text in upper case  Any inscription, text in upper case  29.5 mm  Any inscription, text in upper case  20.6 category 1, Class B	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element marking of the actuating element number of switching positions 2 switch position for key distraction octuating angle eclockwise lock make RONIS key number SB30  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 protection class IP of the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 of or railway applications according to EN 61373  vibration resistance e according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B  Any inscription, text in upper case Any inscription, text in upper case  2 9.5 mm Any inscription, text in upper case  2 9.0 Semination text in upper case  3 2 Standard  4 Pes Standard  5 Standard  9 Inscription, text in upper case  9 90 Standard  9 Standard  9 Inscription, text in upper case  9 90 Standard  9 Standard  9 Inscription, text in upper case  9 90 Standard  9 Standard  9 Inscription, text in upper case  9 90 Standard  9 Standard  9 Inscription, text in upper case  9 90 Standard  9 Standard  9 Inscription, text in upper case  9 Standard  9 Standard  9 Standard  9 Standard  9 Inscription, text in upper case  9 Standard  9 Standard  9 Standard  9 Inscription, text in upper case  9 Standard  9 Standard  9 Standard  9 Inscription, text in upper case  9 Standard  9 Standard  9 Standard  9 Inscription, text in upper case  9 Standard  9 Standard  9 Standard  9 Standard  9 Inscription, text in upper case  9 Standard	material of the actuating element	metal
marking of the actuating element number of switching positions 2 switch position for key distraction actuating angle • clockwise 90° lock make RONIS 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 er of the terminal shock 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  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	shape of the actuating element	Key
number of switching positions  switch position for key distraction  actuating angle  clockwise  go°  lock 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  plece  of the terminal  lp20  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  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	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle  • clockwise  90°  lock make  RONIS  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 60068-2-6  • 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  Category 1, Class B  Category 1, Class B	marking of the actuating element	Any inscription, text in upper case
actuating angle  clockwise  lock make  RONIS  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 60068-2-6  for railway applications according to EN 61373  Category 1, Class B  Color of Horos  PO°  SB30  Yes  Standard  Yes  Standard  Plastic  Dlastic  Dlastic  Dlack  General technical data  Protection class IP  of the terminal  IP20  IP66, IP67, IP69(IP69K)  IP20  IP20  IP20  Category 1, Class B  Vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	number of switching positions	2
e clockwise  lock make RONIS  key number SB30  Front ring  product component front ring Yes 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 IP20  degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms e for railway applications according to EN 61373  vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	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 black  General technical data protection class IP of the terminal teleprotection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373  Value of the ten 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 Category 1, Class B Category 1, Class B Category 1, Class B	actuating angle	
SB30	• clockwise	90°
product component front ring  design of the front ring  material of the front ring  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  of or 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  Category 1, Class B	lock make	RONIS
product component front ring  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  according to IEC 60068-2-27  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  Category 1, Class B	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 lP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of the 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  Category 1, Class B  Category 1, Class B	Front ring	
material of the front ring plastic  color of the front ring black  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	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  shock resistance  of railway applications according to EN 61373  vibration resistance  of railway applications according to EN 61373  black  lP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  Category 1, Class B  Category 1, Class B	design of the front ring	Standard
protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  of railway applications according to EN 61373  ribration resistance  of railway applications according to EN 61373  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  category 1, Class B	material of the front ring	plastic
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 for railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B Category 1, Class B	color of the front ring	black
of the terminal     degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13      shock resistance         eaccording to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms         of railway applications according to EN 61373      vibration resistance         eaccording to IEC 60068-2-6         of railway applications according to EN 61373          Category 1, Class B          Category 1, Class B          Category 1, Class B	General technical data	
degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  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  10 500 Hz: 5g  • for railway applications according to EN 61373  Category 1, Class B	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	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> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
<ul> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> </ul>	shock resistance	
vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B	<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> </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	vibration resistance	
	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
operating frequency maximum 1 800 1/h	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
	operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical 1 000 000	mechanical service life (operating cycles) typical	1 000 000
reference code according to IEC 81346-2	reference code according to IEC 81346-2	S
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014

A 1 * 4 194*	
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	

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=3SU1000-4BF01-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-4BF01-0AA0-Z Y11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-4BF01-0AA0-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=3SU1000-4BF01-0AA0-Z Y11&lang=en

last modified:	1/26/2022	♂

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

A6X30136709