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 II, possible special locks: SB31, 421, 455 Z=50-unit packaging

product designation design of the product product type designation product tine 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 volter diameter of the actuating element product extension optional light source shape of the actuating element shape of the actuating element shape of the actuating element product extension optional light source shape of the actuating element shape of the actuatin	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 left, right latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional light source of the actuating element silver material of the actuating element Metal shape of the sactuating element Metal Shape of the sactuating angle of the fort key distraction III actuating angle of clockwise Metal Shape of the fort ring Metal Shape of the front ri	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 • of the actuating element silver material of the actuating element shape of the actuating element shape of the actuating element switch position for key distraction actuating angle • clockwise • anticlockwise • anticlockwise shape of the front ring product component front ring design of the front ring material of the front ring glasic for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 or rarilway applications according to EN 61373 operating frequency maximum Possible of the sectuating element momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching momentary 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 and sulver latching and sulve	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 silver material of the actuating element shape 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 solar of the front ring color of the front ring protection class IP of the terminal for 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 operating frequency maximum momentary contact/latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching 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 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 left, right latching left, right latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching left, r	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, right latching product extension optional light source No of the actuating element silver material of the actuating element Metal Metal of the actuating element Separate of the actuating element Separate of the actuating element Metal Metal Metal Separate of the actuating element Metal Metal Separate of the actuating element Metal Metal Separate of the actuating element Metal Metal Metal Separate of the actuating element Metal Met	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 material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise santiclockwise anticlockwise sey number SB30 Front ring product component front ring design of the front ring material of the front ring slack General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of railway applications according to EN 61373 operating frequency maximum metal silver metal silver silver metal silver silver metal silver silver metal silver metal silver silver metal silver silver metal silver metal silver silv	manufacturer's article number of included key	3SU1950-0FB80-0AA0	
left, right latching	Actuator		
color	principle of operation of the actuating element		
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 II actuating angle	product extension optional light source	No	
material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle oclockwise for anticlockwise outer diameter of the actuating element number of switching positions switch position for key distraction II actuating angle oclockwise outer of the switching positions for which was a standard set of the switching of the switching outer of	color		
shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle e clockwise 45° e anticlockwise 45° 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 e of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 e for railway applications according to EN 61373 operating frequency maximum e standard protection Less B in Less B category 1, Class B operating frequency maximum 1 800 1/h	of the actuating element	silver	
outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise santiclockwise fock make 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 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 operating frequency maximum 1 800 1/h 1 1000 1 11 29.5 mm 29.5 mm 18 18 45° 45° 45° 45° 45° 45° 45° 45° 45° 45	material of the actuating element	metal	
number of switching positions switch position for key distraction actuating angle • clockwise • anticlockwise • anticlockwise 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 protection NEMA rating shock resistance • according to IEC 60068-2-7 • for railway applications according to EN 61373 operating frequency maximum 1 800 1/h 1 50 LSS LSS LSS ASS ASS ASS ASS AS	shape of the actuating element	Key	
switch position for key distraction actuating angle • clockwise • anticlockwise 45° RONIS key number 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 60068-2-7 • for railway applications according to EN 61373 operating frequency maximum I \$6° 45° 45° A5° A5° A5° A5° A5° A5	outer diameter of the actuating element	29.5 mm	
actuating angle • clockwise • anticlockwise • anticlockwise Iock make key number 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 60068-2-7 • for railway applications according to EN 61373 operating frequency maximum 45° 45° 45° 45° 45° 45° 45° 45	number of switching positions	3	
clockwise anticlockwise anticlockwise A5° 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 legree 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 according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h Pes Austria Austria FRONIS RANIS RONIS REPA Pes Head Austria FRONIS FRONIC FRONIS FRONIS FRONIS FRONIS FRONIS FRONIC FRONIC FRONIC FRONIS FRONIC FRONIC FRONIC FRONIC FRONIC FRONIC FRONIC FRONIS FRONIC FRO	switch position for key distraction	II	
o anticlockwise 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 o according to IEC 60068-2-27 of or railway applications according to EN 61373 operating frequency maximum 45° RONIS RO	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 black 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 of or 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 Pyes Standard plastic black Ple6, IP67, IP69(IP69K) IP20 IP20 Sinusoidal half-wave 15g / 11 ms Category 1, Class B operating frequency maximum 1 800 1/h	• clockwise	45°	
SB30	anticlockwise	45°	
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 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 or railway applications according to EN 61373 category 1, Class B operating frequency maximum yes Yes Standard Ples HP66, IP67, IP69(IP69K) IP20 IP20 IP20 IP20 Sinusoidal half-wave 15g / 11 ms Category 1, Class B Ocategory 1, Class B Table 1373 Category 1, Class B	lock make	RONIS	
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 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 for railway applications according to EN 61373 category 1, Class B	key number	SB30	
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 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of to 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 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 of tor 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 vibration resistance of 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 o according to IEC 60068-2-27 of tor railway applications according to EN 61373 vibration resistance o 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 category 1, Class B operating frequency maximum 1 800 1/h	design of the front ring	Standard	
protection class IP	material of the front ring	plastic	
protection class IP	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	
 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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
for railway applications according to EN 61373 vibration resistance	shock resistance		
vibration resistance	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms	
 according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum 10 500 Hz: 5g Category 1, Class B 1 800 1/h 	 for railway applications according to EN 61373 	Category 1, Class B	
● for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	vibration resistance		
operating frequency maximum 1 800 1/h	 according to IEC 60068-2-6 	10 500 Hz: 5g	
	 for railway applications according to EN 61373 	Category 1, Class B	
mechanical service life (switching cycles) typical 1 000 000	operating frequency maximum	1 800 1/h	
	mechanical service life (switching cycles) typical	1 000 000	

reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
Ambient conditions	
ambient temperature	
during operation	-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=3SU1000-4BP31-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-4BP31-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-4BP31-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-4BP31-0AA0-Z X90&lang=en

last modified: 1/26/2022 🖸