SIEMENS

Data sheet



RONIS key-operated switch, 30 mm, round, Metal, matte, front ring for flush installation, 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, with laser labeling, upper case

product designation design of the product product type designation product type designation product type designation 3SU1 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 shape of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element number of switching positions 2 switch position for key distraction actuating angle • clockwise lock make RONIS Rey number Front ring product component front ring design of the front ring design of the front ring material of the front ring design of the front ring sand gray Front element • of the leminal degree of protection NEMA rating shock 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 61346-2 S SU1950-OFB80-0AA0 Metal, matt, flat, 30 mm methanical service life (switching position) silver mementanical service life (switching cycles) typical reference code according to IEC 61346-2 S SU1950-OFB80-0AA0 Actuating slement Metal, matt, flat, 30 mm mechanical service life (switching cycles) typical reference code according to IEC 61346-2 S	product brand name	SIRIUS ACT	
product type designation product line Metal, matt, fiat, 30 mm manufacturer's article number of included key Actuator 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 material of the actuating element shape of the actuating element Metal shape of the actuating element Marking of the actuating element Any inscription, text in upper case Actuating angle 45° Ook make RONIS RS30 Front ing Front ring Metal, matt Color of the front ring Metal, matt Color of the front ring Marking of the front ring Metal, matt Color of the front ring Metal, matt Description class IP of the terminal P20 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 60068-2-27 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical 3SUI 3SU1950-0FB80-0AA0 Actuator More actuating dement Metal Marking operating frequency maximum more actuating actuating to IEC 60068-2-1 10 500 Hz: 59 4 50 Hz: 59 4 50 Hz: 59 4 50 Hz: 59 4 50 Hz: 59 5 50 Hz: 50 5 50 Hz: 50 5 50 Hz: 50	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 marking 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 actuating angle olockwise lock make key number SSB30 Front ring product component front ring design of the front ring material of the front ring color of the front ring element product component front sing material of the front sing sand gray Pie66, IP67, IP69(IP69K) of the terminal liP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-7 of to railway applications according to EN 61373 operating frequency maximum rechanical service life (switching cycles) typical mechanical service life (switching cycles) typical	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 metal of the actuating element metal of the actuating element silver metal of the actuating element silver metal of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction Oactuating angle occident of the fortuning silver silver metal of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction Oactuating angle occident silver silv	product type designation	3SU1	
Actuator 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 shape of the actuating element shape of the actuating element Marking 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 octuating angle clockwise flock make RONIS Rey number S830 Front ring product component front ring design of the front ring Atela, matt 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 of or railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical	product line	Metal, matt, flat, 30 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 marking of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle clockwise lock make RONIS key number RONIS key number Front ring product component front ring design of the front ring anderial of the front ring color of the front ring material of the front ring for 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 1800 1/h mechanical service life (switching cycles) typical	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 Same of the actuating element Same of the actuating element Metal marking of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction Oactuating angle • clockwise 45° lock make RONIS 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 • of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-6 • 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	Actuator		
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 Any inscription, text in upper case number of switching positions 2 switch position for key distraction o actuating angle • clockwise 45° lock make RONIS key number SB30 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 iP20 degree of protection NEMA rating shock resistance • according to IEC 60068-2-7 of or railway applications according to EN 61373 operating frequency maximum 1800 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1	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 marking of the actuating element marking of the actuating element number of switching positions 2 switch position for key distraction actuating angle clockwise 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 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 sky number silver metal sky mm and material of the front ring standard material of the front ring sand gray IP66, IP67, IP69(IP69K) sinusoidal half-wave 15g / 11 ms 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 mechanical service life (switching cycles) typical	product extension optional light source	No	
material of the actuating element shape of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions 2 switch position for key distraction octuating angle oclockwise lock make key number sb30 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 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 nechanical service life (switching cycles) typical mechanical service life (switching cycles) typical	color		
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions 2 switch position for key distraction octuating angle oclockwise front ring product component front ring design of the front ring material 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 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum nechanical service life (switching cycles) typical Sand product switching text in upper case Any inscription, text in upper case Any	 of the actuating element 	silver	
outer diameter of the actuating element 38 mm marking of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction 0 actuating angle clockwise dclockwise 45° lock make RONIS key number SB30 Front ring Yes design of the front ring Standard material 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 o for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g of or railway applications according to EN 61373 Category 1, Class B operating frequency maximum <t< th=""><th>material of the actuating element</th><th>metal</th></t<>	material of the actuating element	metal	
marking of the actuating element number of switching positions switch position for key distraction actuating angle	shape of the actuating element	Key	
number of switching positions switch position for key distraction actuating angle • clockwise 15° lock make RONIS key number SB30 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 • for railway applications according to EN 61373 operating frequency maximum nechanical service life (switching cycles) typical o Color of the front ring 1	outer diameter of the actuating element	38 mm	
switch position for key distraction actuating angle • clockwise 45° 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 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 45° Atsociation Atsoci	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 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 rechanical service life (switching cycles) typical 45° A5° NONIS RONIS RONIS A5° A5° A5° A5° A5° A5° A5° A5	number of switching positions	2	
e clockwise lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring Metal, matt 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 vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical Aveause Autor	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 Standard material of the front ring Metal, matt color of the front ring Sand gray General technical data protection class IP of the terminal IP20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of or 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 operating frequency maximum nechanical service life (switching cycles) typical RONIS SB30 Yes Metal, matt Standard Metal, matt	actuating angle		
Front ring Yes design of the front ring Standard Metal, matt sand gray	clockwise	45°	
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 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 mechanical service life (switching cycles) typical Yes Metal, matt Standard Metal, matterior Metal, matterior Standard Metal,	lock make	RONIS	
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 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 mechanical service life (switching cycles) typical	key number	SB30	
design of the front ring material of the front ring Metal, matt color of the front ring Sand gray General technical data protection class IP of the terminal egree 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 mechanical service life (switching cycles) typical	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 of tor 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 fresistance of railway applications according to EN 61373 category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical Metal, matt sand gray Metal, matt sand gray IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 shock 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	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 or railway applications according to EN 61373 category 1, Class B vibration resistance o 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 mechanical service life (switching cycles) typical 300 000	design of the front ring	Standard	
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 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	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 according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 300 000	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 300 000	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 300 000	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 300 000	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 mechanical service life (switching cycles) typical 300 000 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
for railway applications according to EN 61373 Category 1, Class B vibration resistance	shock resistance		
vibration resistance 10 500 Hz: 5g • 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 300 000	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 Category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical 300 000 	 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 mechanical service life (switching cycles) typical 300 000	vibration resistance		
operating frequency maximum1 800 1/hmechanical service life (switching cycles) typical300 000	according to IEC 60068-2-6	10 500 Hz: 5g	
mechanical service life (switching cycles) typical 300 000	 for railway applications according to EN 61373 	Category 1, Class B	
	operating frequency maximum	1 800 1/h	
reference code according to IEC 81346-2	mechanical service life (switching cycles) typical	300 000	
	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	44.8 mm
width	38 mm
shape of the installation opening	round
mounting diameter	30.5 mm
positive tolerance of installation diameter	0.5 mm
mounting height	42.7 mm
installation width	38 mm
installation depth	32.1 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=3SU1060-4LC01-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1060-4LC01-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1060-4LC01-0AA0-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=3SU1060-4LC01-0AA0-Z Y11&lang=en

last modified: 1/26/2022