3SU1000-4BN51-0AA0

Data sheet



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

product brand name product designation Key-operated switches design of the product Actuating/signaling element product type designation product tine Plestic, black, 22 mm amurfacturer's article number of included key 8351/980-0F880-0A40 Actuator Principle of operation of the actuating element product extension optional light source color of the actuating element silver material of the actuating element product extension optional light source color of the actuating element material of the actuating element material of the actuating element product extension optional light source color of the actuating element material of the actuating element product extension optional light source color of the actuating element product diameter of the actuating element product of switching positions silver product switching positions silver product of switching positions silver switch position for key distraction of the actuating angle clockwise clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the clockwise shape of the actuating element silver switch position for key distraction of the tenting shape of the actuating element silver switch position for key distraction of the tenting shape of the actuating element silver switch position for key distraction of the tenting shape of the actuating element silver switch position for the distraction for the di		
design of the product product type designation 3SUI product line Plastic, black, 22 mm manufacturer's article number of included key 3SUI950-0FB80-0AAQ Actuator principle of operation of the actuating element latching product extension optional light source No of the actuating element sliver material of the actuating element Rey Color of the actuating element Sliver material of the actuating element Rey Color of the fort ring Slanderd Ronnis Rey Color of the front ring Slanderd Desire of the front ring Desire of the ring	product brand name	SIRIUS ACT
product type designation product line product line product versignation product starter's article number of included key Actuator principle of operation of the actuating element latching 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 very silver number of switching positions switch position for key distraction actuating angle clock make anticlockwise anticlockwise anticlockwise anticlockwise sylver product component front ring design of the front ring product component front ring design of the front ring material of the front ring protection class IP of the terminal lipzo degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of ror railway applications according to EEC 61346-2 Substance Prohibitance (Date) Ambient conditions	product designation	Key-operated switches
product line shart of the actuating element slatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source sold the actuating element slatching shart of the actuating element slatching shart of the actuating element slatching shart of the actuating element shape of the actuating element metal shape of the actuating element shape of the actuating element witching positions as switch position for key distraction of the actuating element old shart old shart of the actuating element old shart old	design of the product	Actuating/signaling element
manufacturer's article number of included key Actuator principle of operation of the actuating element latching product extension optional light source color of the actuating element material of the actuating element material of the actuating element silver material of the actuating element silver outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise shape of the actuating element silver statiating silver silver silver statiating silver statiating silver statiating silver statiating silver silver silver silver silver silver statiating silver sil	product type designation	3SU1
Actuator principle of operation of the actuating element product extension optional light source ocolor of the actuating element material of the actuating element shape of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of switching positions switch position for key distraction actuating angle olockwise olockwise olockwise anticlockwise anticlockwise front ring product component front ring design 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 60068-2-27 of rariawy applications according to EEC 81346-2 Substance Prohibitance (Date) Ambient conditions listching latching No Roll Silver Metal Rey No Sey No OH actuating angle oloc Assignment front ring olock actuating angle shock resistance according to IEC 60068-2-27 of for railway applications according to EEC 81346-2 Substance Prohibitance (Date) Ambient conditions	product line	Plastic, black, 22 mm
principle of operation of the actuating element product extension optional light source of the actuating element of the actuating element silver material of the actuating element shape of the actuating element element shape of the actuating eleme	manufacturer's article number of included key	3SU1950-0FB80-0AA0
roduct extension optional light source color of the actuating element material of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element key outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise 45° anticlockwise 45° anticlockwise 45° RONIS key number SB30 Front ring product component front ring front ring Standard material of the front ring black General technical data protection class IP of the terminal liP20 degree of protection NEMA rating shock resistance according to IEC 80068-2-27 of railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	Actuator	
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of the actuating element	product extension optional light source	No
material of the actuating element shape of the actuating element key outer diameter of the actuating element number of switching positions switch position for key distraction outer diameter of the actuating element number of switching positions switch position for key distraction outer diameter of the actuating angle clockwise clockwise deference of the footh ring product component front ring product component front ring product component front ring general echnical 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 in railway applications according to EN 61373 category 1, Class B operating frequency maximum 1800 1/h 1000 000 reference code according to IEC 61346-2 Substance Prohibitance (Date) Ambient conditions	color	
shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction otlockwise clockwise enticlockwise substance Prohibitance (Date) outer diameter of the actuating element 29.5 mm 29.5 mm 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	 of the actuating element 	silver
outer diameter of the actuating element number of switching positions 3 switch position for key distraction actuating angle electowise 45° enticlockwise 45° enticlockwise 45° 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 lP20 degree of protection NEMA rating shock resistance eacording to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms efor railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions	material of the actuating element	metal
number of switching positions switch position for key distraction otular angle clockwise clockwise data attailing angle clockwise data attailing angle clockwise data attailing angle clock make RONIS sey number SB30 Front ring product component front ring glastic design of the front ring material 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 category 1, Class B operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions	shape of the actuating element	Key
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actuating angle	number of switching positions	3
Clock wise Interview of the front ring Associated and a conditions Color of the front ring Associated and a conditions Color of the terminal Associated and associated a	switch position for key distraction	O+I
anticlockwise	actuating angle	
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) 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 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	• clockwise	45°
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) 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 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	anticlockwise	45°
product component 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 operating frequency maximum reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 of railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	key number	SB30
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material of the front ring plastic color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K)	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 according to IEC 60068-2-27 for railway applications according to EN 61373 operating frequency maximum nechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	design of the front ring	Standard
protection class IP of the terminal leggee 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 (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) IP66, IP67, IP69(IP69K) IP20 IP30 IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP4	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 sinusoidal half-wave 15g / 11 ms of or railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	protection class IP	IP66, IP67, IP69(IP69K)
shock resistance	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 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
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operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) Ambient conditions 10/01/2014	mechanical service life (operating cycles) typical	1 000 000
Ambient conditions	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	10/01/2014
ambient temperature	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%)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg
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
Approvals Certificates	

®

General Product Approval

Confirmation







Declaration of Conformity



Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









other

Environment

Confirmation

Environmental Confirmations

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=3SU1000-4BN51-0AA0

Cax online generator

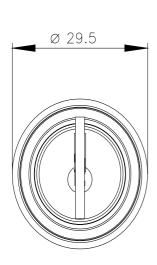
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-4BN51-0AA0

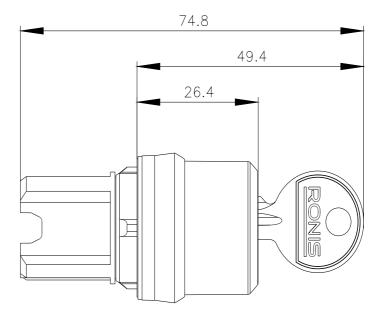
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-4BN51-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-4BN51-0AA0\&lang=en}}$





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