SIEMENS

Data sheet 3SU1100-4BF11-1FA0

Siemens EcoTech

RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 2 switch positions O-I, latching, 10:30h/13:30h, key removal O+I, with holder, 1 NO+1 NC, screw terminal, possible special locks: SB31, 421, 455



product brand name	SIRIUS ACT
product designation	Key-operated switches
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
● **of included key**	3SU1950-0FB80-0AA0
● of supplied contact module	3SU1400-1AA10-1FA0
● of supplied contact module at position 1	3SU1400-1AA10-1FA0
● of the supplied holder	3SU1500-0AA10-0AA0
● of the supplied actuator	3SU1000-4BF11-0AA0
Enclosure	
shape of the enclosure front	round
number of command points	1
Actuator	
principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
product extension optional light source	No
color of the actuating element	silver
material of the actuating element	metal
shape of the actuating element	Key
outer diameter of the actuating element	29.5 mm
number of contact modules	1
number of switching positions	2
switch position for key distraction	O+I
actuating angle	
● clockwise	90°
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
Holder	
material of the holder	Plastic
General technical data	

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product function positive opening	Yes
product component light source	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
protection class IP of the terminal	IP20, clamping screw tightened
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
● **according to IEC 60068-2-27**	sinusoidal half-wave 15 g / 11 ms
● for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
● **according to IEC 60068-2-6**	10 ... 500 Hz: 5 g
● 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
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (day/month/year)	10/01/2014
Net Weight	87.5 g
operating voltage	
● rated value	5 ... 500 V
● at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
● **at DC rated value**	5 ... 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
Connections/ Terminals	
type of electrical connection	
● of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
● solid with core end processing	2x (0.5 ... 0.75 mm²)
● solid without core end processing	2x (1.0 ... 1.5 mm²)
● finely stranded with core end processing	2x (0.5 ... 1.5 mm²)
● finely stranded without core end processing	2x (1,0 ... 1,5 mm²)
● for AWG cables	2x (18 ... 14)
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque for auxiliary contacts with screw-type terminals	0.8 ... 0.9 N·m
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%, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
fastening method	
● of modules and accessories	Front plate mounting
height	40 mm

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width	30 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	71.7 mm

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
Siemens eco profile (SEP)	Siemens EcoTech

Approvals Certificates

Environmental Product Declaration	
• 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	-0.0145 kg
• global warming potential [CO2 eq] / total	0.787 kg

Environment

Environmental Confirmations

General Product Approval

General Product Approval

Test Certificates

Type Test Certificates/Test Report

Special Test Certificate

Maritime application

Maritime application

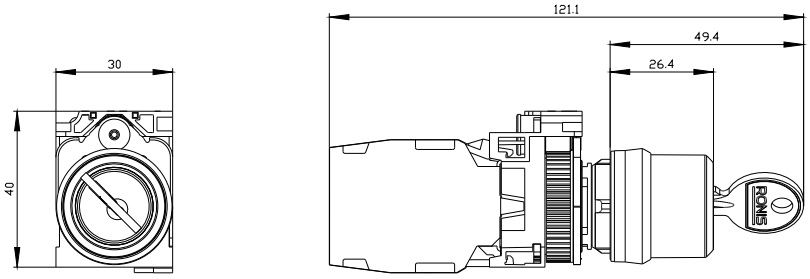
other

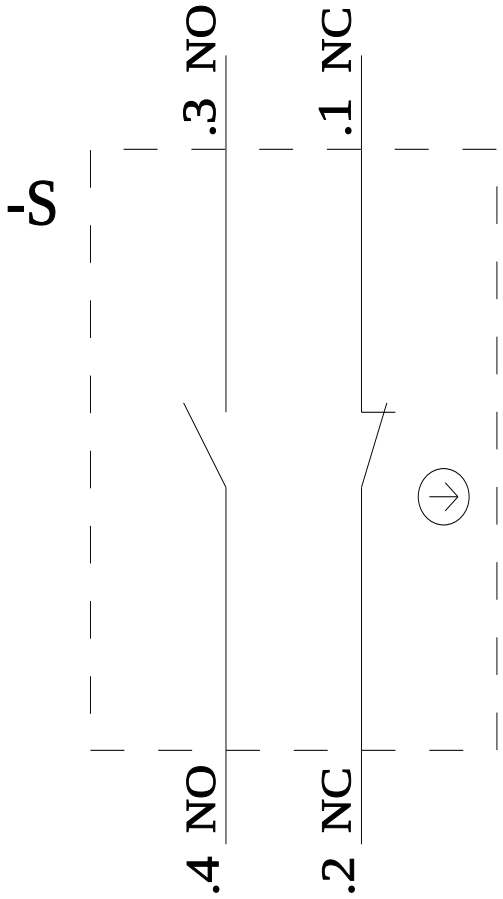
Confirmation

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3SU1100-4BF11-1FA0
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-4BF11-1FA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-4BF11-1FA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-4BF11-1FA0&lang=en

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