SIEMENS

Data sheet



key-operated switch Siemens, 22 mm, round, metal, shiny, special lock, with 2 keys, 3 switch positions I-O<II, left latching, momentary contact type on the right, actuating angle $2x45^{\circ}$, 10:30h/12h/13:30h, key removal O

product designation Key-operated switches Actuating/signaling element Product product per designation 3SU1 product type designation Metal, shiny, 22 mm **Cuturor** **Principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 l/12 h/13:30 h), return from right, left latching product extension optional light source No **Of the actuating element silver material of the actuating element metal shape of the actuating element Metal of the actuating element Metal of the actuating element Metal outside element Metal outside element Metal Metal of the actuating element Metal Metal outside element Metal Me	product brand name	SIRIUS ACT
design of the product product type designation and product type designation and product type designation and product type designation and product type product line and the product extension optional light source and the actuating element and light source are of the actuating element and light source and the actuating element and light source are of the actuating element and light source are actuating element	•	Key-operated switches
product type designation product line Metal, shiny, 22 mm Metal, shiny,		
product line Metal, shiny, 22 mm Comparison of the actuating element Section of t		
principle of operation of the actuating element latching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source No color		Metal, shiny, 22 mm
Iatching product extension optional light source of the actuating element shape of the actuating element shape of the actuating element vector diameter of the actuating element shape of the actuating element vector diameter of the actuating element vector of the y distraction vector diameter of the actuating element vector of the y distraction vector of the y distraction vector of the front ring vector actuating angle vector diameter of the diameter of the vector of the front ring vector		
color of the actuating element material of the actuating element shape of the actuating element shape of the actuating element very outer diameter of the actuating element switch in positions switch position for key distraction actuating angle oclockwise anticlockwise anticlockwise anticlockwise ion make color of the front ring shape of the front ring shore all of the front ring shock resistance according to IEC 60068-2-6 operating frequency maximum reference code according to IEC 60168-2-6 substance Prohibitance (Date) substance Prohibita	principle of operation of the actuating element	latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching
of the actuating element material of the actuating element Key outer diameter of the actuating element Sey switch position for key distraction Sey switch position for key distraction OC actuating angle oclockwise Sey enanticlockwise Sey enanticlockw	product extension optional light source	No
material of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction 0 actuating angle	color	
shape of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction 0 actuating angle	of the actuating element	silver
outer diameter of the actuating element number of switching positions switch position for key distraction octuating angle elockwise enticlockwise anticlockwise front ring router ting product component front ring design of the front ring design of the front ring silver color of the front ring silver protection class IP of the terminal er of the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance e according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical each reference code according to IEC 81346-2 Substance Prohibitance (Date) Substance Prohibitance (Date) 10 value with high demand rate according to SN 31920 30 0000	material of the actuating element	metal
switch position for key distraction switch position for key distraction octuating angle clockwise canticlockwise anticlockwise anticlockwise anticlockwise semans front ring product component front ring design of the front ring Metal, high gloss color of the front ring silver protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-7 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Substance Substance (Date) Substance Prohibitance (Date) Substance Substance (Date) Substa	shape of the actuating element	Key
switch position for key distraction actuating angle	outer diameter of the actuating element	29.5 mm
actualing angle	number of switching positions	3
clock wise anticlockwise anticlockwise assignmens contring product component front ring design of the front ring material of the front ring sliver color of the front ring 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 vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Substa	switch position for key distraction	0
• anticlockwise 45° lock make Siemens Front ring product component front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver 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 of according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance operating frequency maximum 1800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data B10 value with high demand rate according to SN 31920 300 000	actuating angle	
lock make Front ring product component front ring product component front ring design of the front ring material of the front ring Standard Metal, high gloss color of the front ring silver Protection class IP of the terminal for the terminal degree 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 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical solutions and the service life (operating cycles) typical	• clockwise	45°
product component front ring design of the front ring material of the front ring material of the front ring color of the front ring material etchnical 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 vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10 0000000000000000000000000000000000	anticlockwise	45°
product component front ring design of the front ring material of the front ring Color of the front ring silver Seneral 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 vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) B10 value with high demand rate according to SN 31920 Old Metal, high gloss Standard Metal, high gloss Silver Standard Metal, high gloss Silver Standard Metal, high gloss Silver Standard Metal, high g	lock make	Siemens
design of the front ring material of the front ring color of the front ring Seneral 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 operating frequency maximum nechanical service life (operating cycles) typical mechanical service life (operating cycles) typical safety related data B 10 value with high demand rate according to SN 31920 Silver Metal, high gloss Metal, high gloss Metal, high gloss Silver Metal, high gloss silver IP66, IP67, IP69(IP69K) IP20 IP20 IP66, IP67, IP69(IP69K) IP20 I	Front ring	
material of the front ring color of the front ring silver Seneral technical data protection class IP of the terminal lP20 degree 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 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical source code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Sefety related data B10 value with high demand rate according to SN 31920 300 000	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 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 300 000 safety related data B10 value with high demand rate according to SN 31920 300 000	design of the front ring	Standard
protection class IP of the terminal lP20 degree 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 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 810 value with high demand rate according to SN 31920 300 000	material of the front ring	Metal, high gloss
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 vibration resistance of according to IEC 60068-2-6 10 500 Hz: 5g 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 Safety related data B10 value with high demand rate according to SN 31920 300 000	color of the front ring	silver
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 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data B10 value with high demand rate according to SN 31920 300 000	General technical data	
degree of protection NEMA rating shock resistance	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 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data B10 value with high demand rate according to SN 31920 300 000	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance	shock resistance	
according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Safety related data B10 value with high demand rate according to SN 31920 300 000	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
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 Safety related data B10 value with high demand rate according to SN 31920 300 000	vibration resistance	
mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data B10 value with high demand rate according to SN 31920 300 000	according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data B10 value with high demand rate according to SN 31920 300 000	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) 10/01/2014 Bafety related data B10 value with high demand rate according to SN 31920 300 000	mechanical service life (operating cycles) typical	300 000
B10 value with high demand rate according to SN 31920 300 000	reference code according to IEC 81346-2	S
B10 value with high demand rate according to SN 31920 300 000	Substance Prohibitance (Date)	10/01/2014
·	Safety related data	
proportion of dangerous failures	B10 value with high demand rate according to SN 31920	300 000
	proportion of dangerous failures	

 with low demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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	61 mm
installation width	29.5 mm
installation depth	25.4 mm
Certificates/ approvals	

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=3SU1050-5BN01-0AA0-Z Y01

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1050-5BN01-0AA0-Z~Y01-0AA$

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BN01-0AA0-Z Y01

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5BN01-0AA0-Z Y01&lang=en

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