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

principle of operation of the actuating element right, left latching momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching right left latching right left right latching right latchin	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm Actuator principle of operation of the actuating element product extension optional light source of the actuating element shape of the actuating element shap	product designation	Key-operated switches
product line Actuator 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	design of the product	Actuating/signaling element
principle of operation of the actuating element right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source of the actuating element sliver material 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 O actuating angle olockwise 45° oniticlockwise 45° lock make Siemens Front ring product component front ring Yes design of the front ring Metal, high gloss color of the front ring sliver Seneral technical data protection class IP of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance o according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014	product type designation	3SU1
principle of operation of the actuating element right, left latching momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching right left latching right left right latching right latchin	product line	Metal, shiny, 22 mm
right, left latching product extension optional light source color	Actuator	
color	principle of operation of the actuating element	
of the actuating element metal material 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 O actuating angle	product extension optional light source	No
material of the actuating element shape of the actuating element shape of the actuating element cuter diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise anticlockwise semens Front ring Product component front ring standard material of the front ring Metal, high gloss 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 10 500 Hz: 5g Operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) logo Suppose Substance Prohibitance (Date) logo suppose Suppose Suppose Suppose Suppose Suppose Suppose Substance Prohibitance (Date) logo suppose Suppose Suppose Suppose Suppose Suppose Suppose Suppose Substance Prohibitance (Date) logo suppose Supp	color	
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outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction O actuating angle clockwise a anticlockwise a formation actual triangle clock make 45° lock make Siemens Front ring Yes design of the front ring Standard design of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the terminal IP20 degree of protection NEMA rating 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 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	material of the actuating element	metal
number of switching positions switch position for key distraction octuating angle octockwise anticlockwise anticlockwise siemens Front ring product component front ring getsign of the front ring material of the front ring silver General technical data protection class IP of the terminal liP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Siener A5° 45° 45° 45° 45° 45° 45° 45°	shape of the actuating element	Key
switch position for key distraction actuating angle	outer diameter of the actuating element	29.5 mm
actuating angle	number of switching positions	3
clockwise	switch position for key distraction	0
e anticlockwise 45° lock make Siemens Front ring product component front ring Yes design 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 e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance e according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 100 100 100 100 100 100 100 100 100 10	actuating angle	
lock make Front ring product component front ring design of the front ring material of the front ring color of the front ring silver 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 vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) Standard Yes Metal, high gloss standard Metal, high gloss silver Bef6, IP67, IP69(IP69K) IP20 IP66, IP67, IP69(IP69K) IP66, IP67, IP69(IP69K) IP20 IP66, IP67, IP69(IP69K) IP66, IP67, IP	• clockwise	45°
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 vibration resistance according to IEC 60068-2-6 operating frequency maximum nechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Yes Metal, high gloss Standard Metal, high gloss Standard Metal, high gloss Silver IP66, IP67, IP69(IP69K) IP20	anticlockwise	45°
product component front ring design of the front ring material of the front ring Color of the front ring Standard Metal, high gloss silver Seneral technical data protection class IP of the terminal iP20 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 poperating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)	lock make	Siemens
design of the front ring material of the front ring color of the front ring Silver General 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Standard Metal, high gloss Standar	Front ring	
material of the front ring color of the front ring general 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 poperating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Metal, high gloss silver Metal, high gloss silver Metal, high gloss silver Metal, high gloss silver IP66, IP67, IP69(IP69K) IP20 IP20 I ., 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 I 500 Hz: 5g Operating frequency maximum I 800 1/h I 800 1	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 vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) IP66, IP67, IP69(IP69K) IP20	design of the front ring	Standard
protection class IP	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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)	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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 1 ms	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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) sinusoidal half-wave 15g / 11 ms 10 500 Hz: 5g	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance	shock resistance	
● according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10 500 Hz: 5g 300 00/h 300 000 10/01/2014	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 1 800 1/h 300 000 reference code according to IEC 81346-2 S 10/01/2014	vibration resistance	
mechanical service life (switching cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) 10/01/2014	mechanical service life (switching cycles) typical	300 000
· · ·	reference code according to IEC 81346-2	S
Safety related data	Substance Prohibitance (Date)	10/01/2014
parety related data	Safety related data	
B10 value with high demand rate according to SN 31920 300 000	B10 value with high demand rate according to SN 31920	300 000

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

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5BN01-0AA0-Z Y01

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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