SIEMENS

Data sheet



key-operated switch Siemens, 22 mm, round, plastic, lock number SSG10, with 2 keys, 2 switch positions O-I, latching, actuating angle 90° , 10:30h/13:30h, key removal I, with laser labeling, lower case

product designation design of the product product type designation product line product line product line product line product line product line 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 shape of the actuating element waterial of the actuating element shape of the actuating element shape of the actuating element Any inscription, text in lower case number of switching positions switch position for key distraction actuating angle clockwise lockwise lockwise lockwise lockwise seynumber Front ring product component front ring design of the front ring material of the front ring standard palastic color of the front ring lock of the front ring plastic lock of the front ring standard protection class IP of the terminal lege of protection NEMA rating shock resistance according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance is successive as successive sinusoidal half-wave 15g / 11 ms category 1, Class B	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm manufacturer's article number of included key **Plastic, black, 22 mm **Plastic, black, 23 mm **Plastic, black, 22 mm **Plastic, black, 23 mm **Plastic, black, 24 mm **Plastic, black, 24 mm **Plastic, black, 22 mm **Plastic, black, 23 mm **Plastic, black, 24 mm **Plastic, black, 22 mm **Plastic, black, 2	product designation	Key-operated switches
product line	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 of the actuating element 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 lower case number of switching positions switch position for key distraction actuating angle clockwise outer diameter element outer diameter of the actuating element Any inscription, text in lower case number of switching positions switch position for key distraction lactuating angle clockwise 90° lock make Siemens key number Front ring product component front ring design of the front ring material of the front ring material of the front ring plastic color of the front ring plastic color of the front ring lack General technical data protection class IP of the terminal legree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms efor railway applications according to EN 61373 Category 1, Class B	product type designation	3SU1
Actuator principle of operation of the actuating element product extension optional light source color • of the actuating element material of the actuating element shape of the actuating element worth actuating element shape of the actuating element worth actuating element youter diameter of the actuating element narking of the actuating element Any inscription, text in lower case number of switching positions 2 switch position for key distraction actuating angle oclockwise yor lock make key number SSG10 Front ring product component front ring design of the front ring color of the front ring material of the front ring plastic color of the front ring protection class IP of the terminal lege of protection NEMA rating shock resistance according to IEC 60068-2-27 of railway applications according to EN 61373 Latching, 90° (10:30 h/13:30 h) No No (10:30 h/13:30 h) Por (10:40 High silver metal metal silver	product line	Plastic, black, 22 mm
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outer diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle	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 90° lock make Siemens 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 P0° Siemens SsG10 Yes Standard plastic plastic black General technical data IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 15g / 11 ms Category 1, Class B	outer diameter of the actuating element	29.5 mm
switch position for key distraction actuating angle	marking of the actuating element	Any inscription, text in lower case
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	switch position for key distraction	
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protection class IP of the terminal degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of for railway applications according to EN 61373 IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms Category 1, Class B	color of the front ring	black
● 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 ● for railway applications according to EN 61373 Category 1, Class B	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	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	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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• for railway applications according to EN 61373 Category 1, Class B	shock resistance	
	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	 for railway applications according to EN 61373 	Category 1, Class B
	vibration resistance	
• according to IEC 60068-2-6 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	 for railway applications according to EN 61373 	Category 1, Class B
operating frequency maximum 1 800 1/h	operating frequency maximum	1 800 1/h
mechanical service life (switching cycles) typical 1 000 000	mechanical service life (switching cycles) typical	1 000 000
reference code according to IEC 81346-2	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	100 000
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	
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=3SU1000-5BF21-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BF21-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BF21-0AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1000-5BF21-0AA0-Z Y12&lang=en

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