## **SIEMENS**

## **Data sheet**



key-operated switch Siemens, 22 mm, round, plastic, special lock, with 2 keys, 2 switch positions O-I, latching, actuating angle  $90^\circ,\,10:30h/13:30h,$  key removal O+I

product traininate product designation design of the product product type designation product time Plastic, black, 22 mm  Actuator  Principle of operation of the actuating element product extension optional light source of the actuating element material of the actuating element material of the actuating element material of the actuating element phape of the actuating element number of switching positions 2 switch position for key distraction actuating angle clockwise lock make Front ring product component front ring design of the front ring general technical data protection class IP of the terminal degree of protection Leas IP of the terminal degree of protection Leas IP of the terminal degree of protection Leas IP of to railway applications according to EN 61373  Operating frequency maximum mechanical sorvice life (operating cycles) typical reference code according to IEC 60184-2 Substance Prohibitiance (Date) Saledy 1000000 Saledy 1000000000000000000000000000000000000	product brand name	SIRIUS ACT
design of the product product type designation product time Plastic, black, 22 mm  Actuator  principle of operation of the actuating element product extension optional light source color  • of the actuating element sliver material of the actuating element shape of the actuating element which actuating element shape of the actuating element shape of the actuating element which actuating element shape of the actuating element yes switch position for key distraction outer diameter of the actuating element outer diameter of the actuating element yes switch position for key distraction outer diameter of the actuating element ockwise soloe	•	
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shape of the actuating element  outer diameter of the actuating element  number of switching positions  2 switch position for key distraction  otlockwise  occording angle  occording to EC 60068-2-6  of or railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Safety related data  B10 value with high demand rate according to SN 31920  Otl		
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switch position for key distraction  actuating angle  • clockwise  90°  lock make  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  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  vibration resistance  • according to IEC 60068-2-6  • 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)  810 value with high demand rate according to SN 31920  100 000		
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e clockwise 90°  lock make Siemens  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  • for railway applications according to EN 61373 Category 1, Class B  vibration resistance  • according to IEC 60068-2-6 10 500 Hz: 5g  • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 1800 1/h  mechanical service life (operating cycles) typical reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10 0000		
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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 tor railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  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)  Safety related data  B10 value with high demand rate according to SN 31920  100 000	lock make	Siemens
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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 of the solution of the terminal of the terminal of the terminal of the solution of the terminal of the terminal of the terminal of the solution of the	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  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  oaccording to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  ofor railway applications according to EN 61373  vibration resistance  oaccording to IEC 60068-2-6  ofor railway applications according to EN 61373  category 1, Class B  vibration resistance  oaccording to IEC 60068-2-6  ofor 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)  1000000		Standard
protection class IP	material of the front ring	plastic
protection class IP	color of the front ring	black
<ul> <li>of the terminal</li> <li>degree of protection NEMA rating</li> <li>1, 2, 3, 3R, 4, 4X, 12, 13</li> <li>shock resistance</li> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>1 800 1/h</li> <li>mechanical service life (operating cycles) typical</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>100 000</li> <li>100 000</li> <li>100 000</li> </ul>	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  vibration resistance  • according to IEC 60068-2-6  • 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)  Safety related data  B10 value with high demand rate according to SN 31920  1, 2, 3, 3R, 4, 4X, 12, 13  1, 2, 3, 3R, 4, 4X, 12, 13  1, 2, 3, 3R, 4, 4X, 12, 13  1 ms  category 1, Class B  10 500 Hz: 5g  Category 1, Class B  10 500 Hz: 5g  Safety 1, Class B  10 00 000  100 000  100 000  100 000	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  vibration resistance  • according to IEC 60068-2-6 10 500 Hz: 5g  • 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  Safety related data  B10 value with high demand rate according to SN 31920 100 000	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  vibration resistance     according to IEC 60068-2-6     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)  Safety related data  B10 value with high demand rate according to SN 31920  100 000	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• for railway applications according to EN 61373	shock resistance	
vibration resistance  • according to IEC 60068-2-6  • 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)  Safety related data  B10 value with high demand rate according to SN 31920  10 000	• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
according to IEC 60068-2-6     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)     Safety related data  B10 value with high demand rate according to SN 31920     100 000	for railway applications according to EN 61373	Category 1, Class B
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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	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date)  10/01/2014  Safety related data  B10 value with high demand rate according to SN 31920  100 000	mechanical service life (operating cycles) typical	
Safety related data B10 value with high demand rate according to SN 31920 100 000	reference code according to IEC 81346-2	S
B10 value with high demand rate according to SN 31920 100 000	, ,	10/01/2014
	Safety related data	
proportion of dangerous failures	B10 value with high demand rate according to SN 31920	100 000
	proportion of dangerous failures	

<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	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	

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=3SU1000-5BF11-0AA0-Z Y01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BF11-0AA0-Z Y01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BF11-0AA0-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=3SU1000-5BF11-0AA0-Z Y01&lang=en

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