## **SIEMENS**

## **Data sheet**



Mushroom pushbutton, 22 mm, round, plastic, yellow, 30 mm, momentary contact type, with laser labeling, lower case  $\,$ 

product brand name SIRIUS ACT product designation Mushroom pushbuttons design of the product product type designation SSU1 product line Pleastic, black, 22 mm  Enclosuro number of command points 1 Actuator principle of operation of the actuating element yellow momentary contact type product extension optional light source No color of the actuating element yellow attended to the actuating element product extension optional light source No color of the actuating element yellow attended to the actuating element plastic shape of the actuating element plastic shape of the actuating element product extension optional light source No color of the actuating element plastic shape of the actuating element product extension optional plant source No color of the actuating element plastic Shape of the actuating element No color of the actuating element No color of the actuating element No color of the actuating element No Customized labeling, text in lower case letters No color of the front ring No Standard No Standard No		
design of the product product type designation product time Pisatic, black, 22 mm  Product command points 1  Actuator  principle of operation of the actuating element product extension optional light source No Color of the actuating element yellow yellow and actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element pround yellow yellow and product element of the actuating element plastic shape of the actuating element pround yellow yel	product brand name	SIRIUS ACT
product type designation product tine Plastic, black, 22 mm  Enclosure  number of command points 1  Actuator  principle of operation of the actuating element product extension optional light source No	product designation	Mushroom pushbuttons
product line Plastic, black, 22 mm  Enclosure  number of command points 1  Actuator  principle of operation of the actuating element product extension optional light source No color of the actuating element yellow material of the actuating element plastic shape of the actuating element counce of the actuating element plastic shape of the actuating element counce of the actuating element plastic shape of the actuating element counce of the actuating element plastic shape of the actuating element counce of the actuating element counce diameter of the actuating element plastic shape of the actuating element counce of the actuating element plastic counce diameter of the actuating element plastic counce of the front ring plastic	design of the product	Actuating/signaling element
Enclosure  number of command points  1 Actuator  principle of operation of the actuating element product extension optional light source No color of the actuating element yellow material of the actuating element outer diameter of the actuating element 30 mm marking of the actuating element Customized labeling, text in lower case letters number of switching positions 2  Front ring  Product component front ring Standard material of the front ring plastic color of the front ring plastic design of the front ring plastic color of the front ring plastic color of the front ring plastic  Front ring  Product function  EMERGENCY OFF function No  EMERGENCY STOP function No  Protection class IP (P66, IP67, IP69(IP69K)) 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  operating frequency maximum 3 800 1/h mechanical service IIF (operating cycles) typical 1000 0000  reference code according to IEC 81346-2 S Substance Prohibitance (Date) 1001/2014  Ambient conditions  middle first product type momentarical type momentarica	product type designation	3SU1
number of command points 1 Actuator  principle of operation of the actuating element product extension optional light source No Color of the actuating element yellow material of the actuating element plastic shape of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 30 mm amrking of the actuating element Customized labeling, text in lower case letters number of switching positions 2  Pront ring Product component front ring Standard Stand	product line	Plastic, black, 22 mm
Actuator  principle of operation of the actuating element product extension optional light source No color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case letters number of switching positions 2  Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring plastic color of the front ring element No e EMERGENCY OFF function e EMERGENCY STOP function No e EMERGENCY STOP function No e EMERGENCY STOP function i protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-7 for railway applications according to EN 61373 category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions  ambient temperature	Enclosure	
principle of operation of the actuating element product extension optional light source  No color of the actuating element shape of the actuating element shape of the actuating element couter diameter of the actuating element product diameter of the actuating element couter diameter of the fount in lower case letters custoff actuation of the fount in lower case l	number of command points	1
product extension optional light source	Actuator	
color of the actuating element yellow material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 30 mm marking of the actuating element Customized labeling, text in lower case letters number of switching positions 2  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  product function  • EMERGENCY OFF function No • EMERGENCY STOP function No protection class IP IP66, IP67, IP69(IP69K)  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 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014  Ambient conditions ambient temperature	principle of operation of the actuating element	momentary contact type
material of the actuating element round outer diameter of the actuating element round outer diameter of the actuating element round somm marking of the actuating element customized labeling, text in lower case letters number of switching positions 2  Front ring	product extension optional light source	No
shape of the actuating element outer diameter of the actuating element and the actuating element outer diameter of the actuating element Customized labeling, text in lower case letters number of switching positions 2  Front ring  product component front ring design of the front ring Standard material of the front ring color of the front ring black  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP lefe, IP67, IP69(IP69K) 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  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000  reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	color of the actuating element	yellow
outer diameter of the actuating element marking of the actuating element number of switching positions  Pront ring  product component front ring design of the front ring material of the front ring plastic color of the front ring black  Ceneral technical data  product function  EMERGENCY OFF function EMERGENCY STOP function No  EMERGENCY STOP function  IP66, IP67, IP69(IP69K)  degree of protection NEMA rating shock resistance according to IEC 60068-2-27 ior railway applications according to EN 61373  Sibustance 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 3 600 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	material of the actuating element	plastic
marking of the actuating element  number of switching positions  2  Front ring  product component front ring	shape of the actuating element	round
number of switching positions  Front ring  product component front ring  design of the front ring  glastic color of the front ring  General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  No  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  Operating frequency maximum  operating frequency maximum  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	outer diameter of the actuating element	30 mm
product component front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP 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  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum 3 6001/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	marking of the actuating element	Customized labeling, text in lower case letters
product component front ring  design of the front ring  material of the front ring  plastic  color of the front ring  black  General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  No  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  • 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  a 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	number of switching positions	2
design of the front ring material of the front ring color of the front ring black  General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  notes of protection class IP 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  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	Front ring	
material of the front ring black  General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  • EMERGENCY STOP function  No  protection class IP IP66, IP67, IP69(IP69K)  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 3 600 1/h  mechanical service life (operating cycles) typical 10 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature	product component front ring	Yes
color of the front ring black  General technical data  product function  • EMERGENCY OFF function No  • EMERGENCY STOP function No  protection class IP IP66, IP67, IP69(IP69K)  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 3 600 1/h  mechanical service life (operating cycles) typical 10 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature	design of the front ring	Standard
product function  • EMERGENCY OFF function  • EMERGENCY STOP function  • EMERGENCY STOP function  protection class IP  IP66, IP67, IP69(IP69K)  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  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	material of the front ring	plastic
product function  • EMERGENCY OFF function  • EMERGENCY STOP function  No  protection class IP  IP66, IP67, IP69(IP69K)  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  vibration resistance  • according to IEC 60068-2-6  • 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  3 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	color of the front ring	black
EMERGENCY OFF function     EMERGENCY STOP function     No     Protection class IP     IP66, IP67, IP69(IP69K)  degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance     • according to IEC 60068-2-27     inusoidal half-wave 15g / 11 ms     ofor railway applications according to EN 61373  vibration resistance     • according to IEC 60068-2-6     inusoidal half-wave 15g / 11 ms  Category 1, Class B  vibration resistance     • according to IEC 60068-2-6     inusoidal half-wave 15g / 11 ms  Category 1, Class B  vibration resistance     • for railway applications according to EN 61373     Category 1, Class B  operating frequency maximum     3 600 1/h  mechanical service life (operating cycles) typical     10 000 000  reference code according to IEC 81346-2     S  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	General technical data	
EMERGENCY STOP function     Protection class IP     IP66, IP67, IP69(IP69K)     degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13     shock resistance         e according to IEC 60068-2-27         isinusoidal half-wave 15g / 11 ms         for railway applications according to EN 61373     Category 1, Class B  vibration resistance         e according to IEC 60068-2-6         e for railway applications according to EN 61373         Category 1, Class B  operating frequency maximum         3 600 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	product function	
protection class IP  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  vibration resistance  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	<ul> <li>EMERGENCY OFF function</li> </ul>	No
degree of protection NEMA rating  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  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	EMERGENCY STOP function	No
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 3 600 1/h  mechanical service life (operating cycles) typical 10 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature	protection class IP	IP66, IP67, IP69(IP69K)
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 3 600 1/h  mechanical service life (operating cycles) typical 10 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• 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     3 600 1/h      mechanical service life (operating cycles) typical     reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	shock resistance	
vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	<ul> <li>according to IEC 60068-2-27</li> </ul>	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     3 600 1/h  mechanical service life (operating cycles) typical     10 000 000  reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions  ambient temperature	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
• for railway applications according to EN 61373     Category 1, Class B      operating frequency maximum	vibration resistance	
operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	• according to IEC 60068-2-6	10 500 Hz: 5g
mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	• for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	operating frequency maximum	3 600 1/h
Substance Prohibitance (Date)  Ambient conditions  ambient temperature	mechanical service life (operating cycles) typical	10 000 000
Ambient conditions ambient temperature	reference code according to IEC 81346-2	S
ambient temperature	Substance Prohibitance (Date)	10/01/2014
	Ambient conditions	
• during operation -25 +70 °C	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	30 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	27.5 mm
installation width	30 mm
installation depth	24.4 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=3SU1000-1AD30-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1AD30-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1AD30-0AA0-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=3SU1000-1AD30-0AA0-Z Y12&lang=en

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