SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic with metal front ring, blue, pushbutton, flat momentary contact type, with laser labeling, upper case and lower case, always upper case at beginning of line

product designation design of the product product type designation product type designation product type designation SSU1 product line Plastic with metal front ring, matt, 22 mm Enclosuro number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional ilight source contact module Yes contact module Yes color of the actuating element blue material of the actuating element product extension optional ilight source color of the actuating element blue material of the actuating element product dameter of the actuating element product gameter of the actuating element product component front ring Siandard marking of the front ring design of the front ring sand gray Ceneral technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 in railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 if or railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 if or railway applications according to EN 61373 Category 1, Class B Substance Prohibitance (Date) Ambient conditions ambient temperature	product brand name	SIRIUS ACT	
product type designation product line Plastic with metal front ring, matt, 22 mm Encolosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional elight source color of the actuating element patential of the actuating element plastic shape of the actuating element pouter diameter of the actuating element product component front ring design of the actuating element product component front ring design of the front ring ground component front ring design of the front ring ground component front ring design of the front ring design of the front ring material of the front ring design of the actuating element design of the front ring design of the actuating element desig	product designation	Pushbuttons	
product line Plastic with metal front ring, matt, 22 mm Inumber of command points Actuator design of the actuating element principle of operation of the actuating element momentary contact type Product extension optional Ight source Cool of the actuating element plastic shape of the actuating element shape of	design of the product	Actuating/signaling element	
Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional • light source No contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element pout outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter Front ring product component front ring Yes design of the front ring Standard Metal, matt color of the front ring sand gray General technical data 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 60068-2-6 (so frailway applications according to EN 61373 (category 1, Class B) vibration resistance • according to IEC 60068-2-6 (so frailway 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	product type designation	3SU1	
number of command points 1 Actuator design of the actuating element	product line	Plastic with metal front ring, matt, 22 mm	
design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional • light source • contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter Front ring product component front ring Standard Metal, matt color of the front ring sand gray design of the front ring Metal, matt color of the front ring sand gray General technical data 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 60068-2-6 sor 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 S Substance Prohibitance (Date) Ambient conditions	Enclosure		
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principle of operation of the actuating element product extension optional • light source • contact module Color of the actuating element material of the actuating element blue material of the actuating element couter diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter Front ring product component front ring design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring General technical data 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 according to IEC 60068-2-6 • for railway applications according to EN 61373 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	Actuator		
product extension optional light source No	design of the actuating element	Flat button	
● contact module ● contact module Color of the actuating element Industrial of the actuating element Shape of the actuating element Outer diameter of the actuating element Tound Outer diameter of the actuating element Outsomized labeling, text in lower case / capital letters, all lines start with capital letter Front ring Product component front ring Gesign of the front ring Metal, matt color of the front ring Sand gray General technical data 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	principle of operation of the actuating element	momentary contact type	
ocontact module color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element customized labeling, text in lower case / capital letters, all lines start with capital letter Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring sand gray General technical data 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 operating frequency maximum should be should	product extension optional		
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material of the actuating element shape of the actuating element outer diameter of the actuating element capital letter Front ring product component front ring design of the front ring material of the front ring color of the front ring sand gray General technical data 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 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	contact module	Yes	
shape of the actuating element outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter Front ring product component front ring design of the front ring material of the front ring General technical data 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 frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	color of the actuating element	blue	
outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter Front ring product component front ring design of the front ring material of the front ring Standard material of the front ring General technical data 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 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	material of the actuating element	plastic	
marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter Pront ring product component front ring design of the front ring Standard material of the front ring Standard Metal, matt color of the front ring sand gray General technical data 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 operating frequency maximum operating frequency maximum according to IEC 60068-2-10 10 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	shape of the actuating element	round	
capital letter Front ring product component front ring design of the front ring material of the front ring material of the front ring Color of the front ring General technical data 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	outer diameter of the actuating element	29.5 mm	
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring general technical data 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	marking of the actuating element		
design of the front ring material of the front ring color of the front ring general technical data 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 according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	Front ring		
material of the front ring color of the front ring sand gray General technical data protection class IP lP66, 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 • 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	product component front ring	Yes	
color of the front ring General technical data protection class IP 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 • 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	design of the front ring	Standard	
protection class IP 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 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	material of the front ring	Metal, matt	
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	color of the front ring	sand gray	
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	General technical data		
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	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 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	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
for railway applications according to EN 61373 Category 1, Class B vibration resistance	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	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms	
according to IEC 60068-2-6 of for railway applications according to EN 61373 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 10 500 Hz: 5g 10 000 000 10 000 000 10 000 000 10 000 00	 for railway applications according to EN 61373 	Category 1, Class B	
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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	• 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) 10/01/2014 Ambient conditions	 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	operating frequency maximum	3 600 1/h	
Substance Prohibitance (Date) 10/01/2014 Ambient conditions	mechanical service life (operating cycles) typical	10 000 000	
Ambient conditions	reference code according to IEC 81346-2	S	
	Substance Prohibitance (Date)	10/01/2014	
ambient temperature	Ambient conditions		
	ambient temperature		
◆ during operation −25 +70 °C	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	11 mm
installation width	29.5 mm
installation depth	24.3 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=3SU1030-0AB50-0AA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-0AB50-0AA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-0AB50-0AA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-0AB50-0AA0-Z Y10&lang=en

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