SIEMENS

Data sheet



Pushbutton, compact, with extended stroke (12 mm), 22 mm, round, plastic, red, pushbutton, raised, momentary contact type, with holder

product brand name product to glagnation Pushbuttons design of the product product type designation Plastic, black, 22 mm Plastic black, 22 mm Plastic black, 22 mm Plastic black, 22 mm Plastic, black, 22 mm Plastic black, 22		
design of the product product type designation groduct time Plastic, black, 22 mm Plastic, black, 22 mm Inumber of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional elight source contact module elight source color of the actuating element material of the actuating element product extension eptional shape of the actuating element product component front ring product component front plastic plastic plastic plastic plastic plastic plastic plastic protection class IP degree of protection NEMA rating for railway applications according to EN 61373 Category 1, Class B vibration resistance eaccording to IEC 60068-2-7 for railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category 1, Class B of or railway applications according to EN 61373 Category		
product type designation product line Plastic, black, 22 mm Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element product extension optional light source	product designation	Pushbuttons
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Enclosure number of command points 1 Actuator design of the actuating element momentary contact type product extension optional • light source • contact module color of the actuating element plastic shape of the actuating element round outer diameter of the actuating element product component front ring product component front ring groduct component front ring product component front ring product of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-7 • for railway applications according to EN 61373 operating frequency maximum shock resistance • 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 8136-2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage 10 +80 °C 40 +80 °C	product type designation	3SU1
number of command points 1 Actuator design of the actuating element momentary contact type product extension optional • light source No • contact module Yes color of the actuating element round outer diameter of the actuating element yes, 5mm Front ring product component front ring Yes design of the front ring plastic color of the front ring color of the actuating element product component front ring plastic color of the actuating element product component front ring plastic color of the actuating element product component front ring plastic color of the actuating element product component front ring plastic color of the actuating element plastic plastic color of the actuating element plastic sinusoidal half-wave 15g / 11 ms of railway applications according to IEN 61373 Category 1, Class B operating frequency maximum alor of the actuating element plastic color of the actuatin	product line	Plastic, black, 22 mm
design of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source No No	Enclosure	
design of the actuating element Raised button with extended stroke principle of operation of the actuating element momentary contact type product extension optional • light source No • contact module Yes color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm Front ring product component front ring Standard material of the front ring plastic color of the front ring Standard material of the front ring plastic color of the front ring standard 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 60068-2-7 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 5000 H/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature • during operation -25 +70 °C • during storage	number of command points	1
principle of operation of the actuating element product extension optional • light source • contact module Ves color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element product component front ring groduct component front ring yes design of the front ring standard material of the front ring color of the front ring black Ceneral technical data protection class IP effect 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 second	Actuator	
product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element round outer diameter of the actuating element product component front ring product component front ring design of the front ring plastic color of the front ring color of the front ring plastic color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring desire in the front ring color of the front ring plastic degree of protection NEMA rating in the front ring plastic color of the front ring plastic front r	design of the actuating element	Raised button with extended stroke
● light source ● contact module Color of the actuating element red material of the actuating element shape of the actuating element outer diameter of the actuating element 29.5 mm Front ring product component front ring design of the front ring material of the front ring glastic color of the front ring black 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 vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 81346-2 § Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during storage	principle of operation of the actuating element	momentary contact type
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material of the actuating element round outer diameter of the actuating element 29.5 mm Front ring round component front ring Yes design of the front ring Standard plastic color of the front ring black General technical data rotter 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 of railway applications according to EN 61373 Category 1, Class B vibration resistance according to EC 60068-2-6 10 500 Hz: 5g operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 S Substance Pohibitance (Date) 10/01/2014 Ambient conditions ambient temperature during storage with a conditions according to EN 61373 -25 +70 °C during storage -25 +70 °C during storage -25 +80 °C	contact module	Yes
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product component 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 plastic protection class IP protection class IP protection NEMA rating protection NEMA rating protection telephone place protection telephone protection telephone place protection telephone place protection NEMA rating protection telephone place protection NEMA rating protection telephone place protection NEMA rating protection telephone place place protection NEMA rating place protection NEMA rating place place protection NEMA rating place place place place protection NEMA rating place	shape of the actuating element	round
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 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 for railway applications according to EN 61373 category 1, Class B operating frequency maximum should be found to see the found of the found	outer diameter of the actuating element	29.5 mm
design of the front ring material of the front ring plastic color of the front ring black 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) 10/01/2014 Ambient conditions ambient temperature • during operation • during storage -25 +70 °C -40 +80 °C	Front ring	
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protection class IP	material of the front ring	plastic
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 5 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature • during operation -25 +70 °C • during storage -40 +80 °C	color of the front ring	black
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 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 during operation during storage -25 +70 °C during storage	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 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 during operation -25 +70 °C -40 +80 °C	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 ambient temperature during operation during storage sinusoidal half-wave 15g / 11 ms Category 1, Class B 10 500 Hz: 5g Sabout 10 500 Hz: 5g 2 Substance Prohibitance (Date) 4 Out 1/2014	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	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 • during operation -25 +70 °C • during storage -40 +80 °C	 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 3 600 1/h mechanical service life (operating cycles) typical found 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature during operation during storage 40 +80 °C 	 for railway applications according to EN 61373 	Category 1, Class B
	vibration resistance	
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 • during operation -25 +70 °C • during storage 3 600 1/h 5 000 000 10/01/2014 8 -25 +70 °C -40 +80 °C	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 • during operation • during storage 5 000 000 S C S S S S S S S S S S S	 for railway applications according to EN 61373 	Category 1, Class B
reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature • during operation • during storage 3 -25 +70 °C -40 +80 °C	operating frequency maximum	3 600 1/h
Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage 10/01/2014 -25 +70 °C -40 +80 °C	mechanical service life (operating cycles) typical	5 000 000
Ambient conditions ambient temperature • during operation • during storage -25 +70 °C -40 +80 °C	reference code according to IEC 81346-2	S
ambient temperature ● during operation -25 +70 °C ● during storage -40 +80 °C	Substance Prohibitance (Date)	10/01/2014
 during operation during storage -25 +70 °C -40 +80 °C 	Ambient conditions	
• during storage -40 +80 °C	ambient temperature	
	 during operation 	-25 +70 °C
environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%)	during storage	-40 +80 °C
	environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%)

Installation/ mounting/ dimensions	
40 mm	
30 mm	
round	
22.3 mm	
0.4 mm	
32.5 mm	
29.5 mm	
30.9 mm	

Certificates/ approvals

General Product Approval

Declaration of Conformity



Confirmation









Test Certificates other Environment

Type Test Certificates/Test Report

Special Test Certificate

Confirmation

Environmental Confirmations

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)

Cax online generator

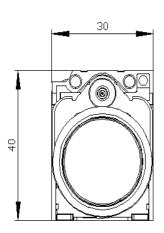
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-0FB20-0AA0

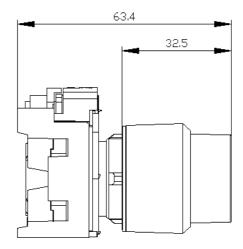
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

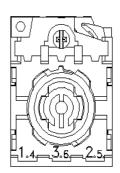
https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-0FB20-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-0FB20-0AA0&lang=en







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