SIEMENS

Data sheet



Mushroom pushbutton, 22 mm, round, plastic, red, 60 mm, momentary contact type, with laser labeling, upper case

product designation design of the product product type designation product type designation product type designation product type designation product type product product number of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in capital letters number of switching positions Front ring product component front ring design of the front ring color of the front ring standard material of the front ring black Coneral technical data product function EMERCENCY STOP function EMERCENCY STOP function Actuating element No EMERCENCY STOP function EMERCENCY STOP function EMERCENCY STOP function EMERCENCY STOP function Actuation EMERCENCY STOP function EMERCENCY S	product brand name	SIRIUS ACT	
product type designation product line Plastic, black, 22 mm Enclosure number of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element marking of the actuating selement customized labeling, text in capital letters number of switching positions Pront ring product component front ring design of the front ring plastic color of the front ring color of the front ring black General technical data product function EMERGENCY OFF function EMERGENCY STOP function Potection class IP of protection NEMA rating shock resistance according to IEC 60068-2-27 or or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 or or railway applications according to EN 61373 operating frequency maximum getain the function on the function of the ration of the function of the resistance according to IEC 60068-2-6 or or railway applications according to EN 61373 operating frequency maximum 3 600 1/h mechanical service Ife (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 plastic shape of the actuating element round outer diameter of the actuating element Substance Positions Product component front ring Customized labeling, text in capital letters number of switching positions 2 Front ring Standard Product Component front ring Standard Pastic Color of the front ring Plastic Customized labeling text in capital letters number of switching positions 2 Front ring Standard Product component front ring Standard Plastic Color of the front ring Plastic Color of th	design of the product	Actuating/signaling element	
Inclosure number of command points 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 outer diameter of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in capital letters number of switching positions 2 Front ring product component front ring design of the front ring material of the front ring color of the front ring glastic color of the front ring element • EMERGENCY OFF function • EMERGENCY STOP function 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 3 600 1/h mechanical service Iffe (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	product type designation	3SU1	
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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 marking of the actuating element marking of the actuating element Customized labeling, text in capital 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 EMERGENCY OFF function EMERGENCY STOP function EMERGENCY STOP function according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B operating frequency maximum greference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	Enclosure		
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product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter outer in capital letters outer diameter outer outer diameter outer outer diameter out	Actuator		
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions 2 Front ring product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring standard material of the front ring black General technical data product function EMERGENCY OFF function EMERGENCY STOP function 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 mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	principle of operation of the actuating element	momentary contact type	
material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions 2 Front ring product component front ring design of the front ring color of the front ring black General technical data product function EMERGENCY OFF function EMERGENCY OFF function OFF degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	product extension optional light source	No	
shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in capital letters number of switching positions 2 Front ring product component front ring 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 Mo EMERGENCY STOP function Office of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	color of the actuating element	red	
outer diameter of the actuating element 60 mm marking of the actuating element Customized labeling, text in capital letters number of switching positions 2 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 (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) Ambient conditions	material of the actuating element	plastic	
marking of the actuating element number of switching positions Pront ring product component front ring design of the front ring color of the front ring product function EMERGENCY OFF function EMERGENCY STOP function No 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 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Substance Ponibitance (Date) Ambient conditions	shape of the actuating element	round	
number of switching positions Front ring product component front ring design of the front ring material of the front ring color of the front ring product function EMERGENCY OFF function EMERGENCY STOP function EMERGENCY STOP function Torotection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 ribration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	outer diameter of the actuating element	60 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 lefe, 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 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 (switching cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) Ambient conditions	marking of the actuating element	Customized labeling, text in capital letters	
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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 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 operating frequency maximum section of the front ring plastic stance plants according to EN 61373 operating frequency maximum a 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	Front ring		
material of the front ring color of the front ring black General technical data product function • EMERGENCY OFF function • EMERGENCY STOP function 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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 (switching cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	design of the front ring	Standard	
product function EMERGENCY OFF function EMERGENCY STOP function 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	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 • 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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	General technical data		
EMERGENCY STOP function 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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	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 (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	 EMERGENCY OFF function 	No	
degree of protection NEMA rating shock resistance	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 (switching 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 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 (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
for railway applications according to EN 61373 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 (switching 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 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions 	 for railway applications according to EN 61373 	Category 1, Class B	
● for railway applications according to EN 61373 Operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions Category 1, Class B 10 000 000 10 000 000 10 000 000 10 000 00	vibration resistance		
operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 10 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions	according to IEC 60068-2-6	10 500 Hz: 5g	
mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	 for railway applications according to EN 61373 	Category 1, Class B	
reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	operating frequency maximum	3 600 1/h	
Substance Prohibitance (Date) Ambient conditions	mechanical service life (switching 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		
amaters temperature	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	60 mm
width	60 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	60 mm
installation depth	24.4 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=3SU1000-1CD20-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1CD20-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1CD20-0AA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1CD20-0AA0-Z Y11&lang=en

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