SIEMENS

Data sheet



Mushroom pushbutton, 22 mm, round, plastic, yellow, 30 mm, latching, pull-to-unlatch mechanism, with laser labeling, upper case

product designation design of the product product type designation 3SU1 product type designation 3SU1 product type designation 3SU1 product type designation I assume the command points Actuator principle of operation of the actuating element product extension optional light source No color of the actuating element product extension optional light source product extension optional light source No color of the actuating element plastic shape of the actuating element round couter diameter of the actuating element pulled actuating element Tound couter diameter of the actuating element Quiter diameter of the forth ring Quiter diameter of the actuating element Quiter diameter of the forth ring Quiter		
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product type designation 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 Tound outer diameter of the actuating element Quiter diameter of switching device pull-to-unlatch mechanism Quiter of switching positions 2 Front ring Front ring Trond tring General tometer of the front ring Quality of the front r		·
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	design of the product	
Enclosure number of command points 1 Actuator principle of operation of the actuating element product extension optional light source color of the actuating element wellow material of the actuating element superior of the actuating element pound outer diameter of the actuating element couter diameter of the front ring color of the front r	product type designation	3SU1
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Actuator principle of operation of the actuating element latching product extension optional light source No 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 capital letters type of unlocking device pull-to-unlatch mechanism 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	Enclosure	
principle of operation of the actuating element product extension optional light source No	number of command points	1
product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element Ocustomized labeling, text in capital letters type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring product component front ring Standard material of the front ring plastic color of the front ring black General technical data product function • EMERGENCY OFF 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 60068-2-7 • 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 61346-2 Substance Prohibitance (Date) Ambient conditions	Actuator	
color of the actuating element yellow material of the actuating element round outer diameter of the actuating element 30 mm marking of the actuating element Customized labeling, text in capital letters type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring product component front ring Yes design of the front ring plastic color of the front ring plastic color of the front ring black Ceneral 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 of railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1800 1/h mechanical service (If6 (operating cycles) typical reference code according to IEC 63146-2 S Substance Prohibitance (Date) Ambient conditions	principle of operation of the actuating element	latching
material of the actuating element shape of the actuating element outer diameter of the actuating element Type of unlocking device number of switching positions 2 Front ring product component front ring design of the front ring material of the front ring material of the front ring plastic color of the front ring General technical data product function EMERGENCY OFF function EMERGENCY STOP function Profection 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 essivance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B operating frequency maximum nechanical service life (operating 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 and marking of the actuating element type of unlocking device 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 element product function EMERGENCY OFF function EMERGENCY STOP function Paterial of the color of the front protection 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 poperating frequency maximum nechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	color of the actuating element	yellow
outer diameter of the actuating element marking of the actuating element type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring product component front ring design of the front ring color of the front ring color of the front ring black Coneral technical data product function • EMERGENCY OFF function • EMERGENCY STOP function • EMERGENCY STOP function • IP66, IP67, IP69(IP69K) 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 1 800 1/h 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 type of unlocking device 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 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 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 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	shape of the actuating element	round
type of unlocking device 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 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 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 1800 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	30 mm
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 1800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	marking of the actuating element	Customized labeling, text in capital letters
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 lef6, 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 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	type of unlocking device	pull-to-unlatch mechanism
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 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 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	number of switching positions	2
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 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	Front ring	
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 1 800 1/h mechanical service life (operating cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) Ambient conditions	product component front ring	Yes
color of the front ring 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 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 1 800 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
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 • 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) Ambient conditions	material of the front ring	plastic
product function • EMERGENCY OFF function • EMERGENCY STOP function No 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 • 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) 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 inusoidal 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) Ambient conditions	General technical data	
EMERGENCY STOP function protection class IP	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 • 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) Ambient conditions	 EMERGENCY OFF function 	No
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 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	 EMERGENCY STOP function 	No
shock resistance	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 1 800 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
	shock resistance	
vibration resistance	 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) Ambient conditions	 for railway applications according to EN 61373 	Category 1, Class B
● 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) Ambient conditions Category 1, Class B 1 800 1/h 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date)	vibration resistance	
operating frequency maximum 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 500 000 reference code according to IEC 81346-2 S 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	1 800 1/h
Substance Prohibitance (Date) 10/01/2014 Ambient conditions	mechanical service life (operating cycles) typical	500 000
Ambient conditions	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	10/01/2014
ambient temperature	Ambient conditions	
unision tomporatare	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=3SU1000-1AA30-0AA0-Z Y11

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1000-1AA30-0AA0-Z~Y11}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1AA30-0AA0-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=3SU1000-1AA30-0AA0-Z Y11&lang=en

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