3SU1001-0AB70-0AA0-Z Y19

Data sheet



Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat momentary contact type, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product type designation design of the product type designation product type designation product type designation product type designation product line Plastic, black, 22 mm Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element elight source ocontact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element principle of operations actuating element plastic shape of the actuating element plastic shape of the actuating element pround touter diameter of the actuating element plastic product component front ring product component front ring product component front ring general technical data protection class IP degree of protection NEMA rating protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Ambient conditions	product brand name	SIRIUS ACT	
product type designation product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional light source Yes contact module Color of the actuating element plastic material of the actuating element pout actuating element pout actuating element plastic shape of the actuating element plastic shape of the actuating element product admeter of the actuating element plastic shape of the actuating plastic shape of the actuating element element plastic shape of the actuating element element plastic shape of the actuating element	product designation	Illuminated pushbuttons	
product line Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional elight source yes contact module yes actuating element plastic plastic yes module yes material of the actuating element pouter diameter of the actuating element arking of the actuating element yes yes marking of the actuating element yes	design of the product	Actuating/signaling element	
Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional • light source • contact module Yes color of the actuating element material of the actuating element outer diameter of the actuating element product component front ring product component front ring general of the front ring product component front ring plastic color of the front ring general technical data protection class IP eace. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 operating frequency maximum producing service life (switching cycles) typical proference code acc. to IEC 81346-2 reference code acc. to IEC 81346-2 SIMUSO NOO Preference code acc. to IEC 81346-2	product type designation	3SU1	
number of command points Actuator design of the actuating element principle of operation of the actuating element momentary contact type product extension optional • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) Front ring product component front ring Yes design of the front ring plastic color of the front ring Standard material of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring Standard General technical data protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • acc. to IEC 60068-2-27 Sinusoidal half-wave 50g / 11 ms category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code acc. to IEC 81346-2	product line	Plastic, black, 22 mm	
Actuator design of the actuating element principle of operation of the actuating element product extension optional	Enclosure		
design of the actuating element principle of operation of the actuating element product extension optional	number of command points	1	
principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element arking of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) Front ring product component front ring Yes design of the front ring plastic color of the front ring plastic color of the front ring General technical data protection class IP degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-7 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Service of the structure of the service life (switching cycles) typical reference code acc. to IEC 81346-2	Actuator		
product extension optional light source Yes	design of the actuating element	Flat button	
● light source ● contact module 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 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 color of the front ring feeral technical data protection class IP degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Yes Clear Clear round round round plastic strator symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) Front ring Yes Standard Pastic plastic black Standard plastic black General technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 50g / 11 ms Category 1, Class B Operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code acc. to IEC 81346-2	principle of operation of the actuating element	momentary contact type	
colar contact module 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 any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) Front ring product component front ring standard material of the front ring color of the front ring plastic color of the front ring General technical data protection class IP degree of protection NEMA rating shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Sinusoidal service life (switching cycles) typical reference code acc. to IEC 81346-2 Sinusoidal service life (switching cycles) typical	product extension optional		
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outer diameter of the actuating element 29.5 mm marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) Front ring Yes design of the front ring Standard material of the front ring Color of the front ring Black General technical data IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • acc. to IEC 60068-2-27 Sinusoidal half-wave 50g / 11 ms • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 10 500 Hz: 5g • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum a 600 1/h mechanical service life (switching cycles) typical a 700 000 reference code acc. to IEC 81346-2	material of the actuating element	plastic	
marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration ldentification Number (CIN) Yes Standard Pyes Standard Plastic Dlack Belock Ple6, IP67, IP69(IP69K) 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 50g / 11 ms Category 1, Class B Ozategory 1, Class B	shape of the actuating element	round	
ront ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Yes Standard Yes Yes Standard Ples (IP69 (IP69 K) IP66, IP67, IP69 (IP69 K	outer diameter of the actuating element	29.5 mm	
product component front ring design of the front ring material of the front ring color of the front ring black 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 • acc. to IEC 60068-2-27 sinusoidal half-wave 50g / 11 ms • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2	marking of the actuating element		
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color of the front ring General technical data protection class IP degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S	design of the front ring	Standard	
protection class IP degree of protection NEMA rating shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance for railway applications acc. to DIN EN 61373 category 1, Class B category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2	material of the front ring	plastic	
protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S	color of the front ring	black	
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S	General technical data		
shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 Sinusoidal half-wave 50g / 11 ms Category 1, Class B 10 500 Hz: 5g 3 600 1/h	protection class IP	IP66, IP67, IP69(IP69K)	
acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 ofor railway applications acc. to DIN EN 61373 operating frequency maximum acc. to IEC 81346-2 sinusoidal half-wave 50g / 11 ms Category 1, Class B category 1, Class B operating frequency maximum acc. to DIN EN 61373 acc. to IEC 81346-2 sinusoidal half-wave 50g / 11 ms Category 1, Class B acc. to IEC 81346-2 sinusoidal half-wave 50g / 11 ms category 1, Class B acc. to IEC 81346-2 sinusoidal half-wave 50g / 11 ms category 1, Class B acc. to IEC 81346-2	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
● for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance ● acc. to IEC 60068-2-6 ● for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S Category 1, Class B 3 000 000	shock resistance		
vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S	 acc. to IEC 60068-2-27 	Sinusoidal half-wave 50g / 11 ms	
 acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code acc. to IEC 81346-2 	● for railway applications acc. to DIN EN 61373	Category 1, Class B	
● for railway applications acc. to DIN EN 61373 Operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S Category 1, Class B 3 600 1/h S S	vibration resistance		
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mechanical service life (switching cycles) typical 3 000 000 reference code acc. to IEC 81346-2 S	2 11	Category 1, Class B	
reference code acc. to IEC 81346-2	operating frequency maximum	3 600 1/h	
	mechanical service life (switching cycles) typical	3 000 000	
Ambient conditions	reference code acc. to IEC 81346-2	\$	
	Ambient conditions		

 ambient temperature during operation 	-25 +70 °C
 ambient temperature during storage 	-40 +80 °C
environmental category during operation acc. 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	

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=3SU1001-0AB70-0AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-0AB70-0AA0-Z Y19

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-0AB70-0AA0-Z Y19

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-0AB70-0AA0-Z Y19&lang=en

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