SIEMENS

Data sheet

3SU1001-1GB20-0AA0-Z Y19



EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, plastic, red, 30 mm, positive latching, acc. to EN ISO 13850, rotate-tounlatch, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product brand name SIRUS ACT product design attion EMERGENCY STOP mushroom pushbuttons design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm functions 1 Actuating actuating signaling element principle of operation of the actuating element positive latching principle of operation of the actuating element latching principle of operation of the actuating element red e light source Yes color contact module Yes color red material of the actuating element plastic shape of the actuating element round any inscription, text or symbol, can only be ordered via SIRIUS ACT congurator/Configuration Identification Number (CIN) rotate-to-unlatch mechanism any inscription, text or symbol, can only be ordered via SIRIUS ACT type of unlocking device rotate-to-unlatch mechanism any inscription, text or symbol, can only be ordered via SIRIUS ACT type of unlocking device rotate-to-unlatch mechanism any inscription identification Number (CIN) type of			
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product type designation 3SU1 product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element positive latching principle of operation of the actuating element latching product extension optional Yes • light source Yes • contact module Yes color of the actuating element material of the actuating element plastic shape of the actuating element red material of the actuating element red outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) type of unlocking device rotate-to-unlatch mechanism number of switching positions 2 Product function Yes e. EMERGENCY OFF function Yes e. To IDE Condes-2-27 Sinusoidal half-wave 50g / 11 ms	product designation	EMERGENCY STOP mushroom pushbuttons	
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number of command points 1 Actuator	product line	Plastic, black, 22 mm	
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product extension optional • light source Yes • 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 33.8 mm marking of the actuating element 33.8 mm marking of the actuating element configurator/Configuration Identification Number (CIN) type of unlocking device rotate-to-unlatch mechanism number of switching positions 2 Front ring Product function product function Yes • EMERGENCY OFF function Yes • EMERGENCY STOP function Yes 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 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • acc. to IEC 60068-2-6 10 500 Hz: 5g • for railway applications acc. to DIN EN 61373 Category 1, Class B	design of the actuating element	positive latching	
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configurator/Configuration Identification Number (CIN) type of unlocking device rotate-to-unlatch mechanism number of switching positions 2 Front ring 2 product component front ring No General technical data	outer diameter of the actuating element	33.8 mm	
number of switching positions 2 Front ring No groduct component front ring No General technical data Yes product function Yes • positive opening Yes • EMERGENCY OFF function Yes • EMERGENCY STOP function Yes protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance Sinusoidal half-wave 50g / 11 ms • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications acc. to DIN EN 61373 Category 1, Class B	marking of the actuating element	Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)	
Front ring No General technical data	type of unlocking device	rotate-to-unlatch mechanism	
product component front ring No General technical data	number of switching positions	2	
General technical data product function • positive opening Yes • EMERGENCY OFF function Yes • EMERGENCY STOP function Yes 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 • for railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance	Front ring		
product functionYes• positive openingYes• EMERGENCY OFF functionYes• EMERGENCY STOP functionYesprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• acc. to IEC 60068-2-27• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-6• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class B	product component front ring	No	
• positive openingYes• EMERGENCY OFF functionYes• EMERGENCY STOP functionYesprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance-• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance-• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class B	General technical data		
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	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
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vibration resistance• acc. to IEC 60068-2-6• for railway applications acc. to DIN EN 61373Category 1, Class B	• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms	
• acc. to IEC 60068-2-6 10 500 Hz: 5g • for railway applications acc. to DIN EN 61373 Category 1, Class B	 for railway applications acc. to DIN EN 61373 	Category 1, Class B	
for railway applications acc. to DIN EN 61373 Category 1, Class B	vibration resistance		
	• acc. to IEC 60068-2-6	10 500 Hz: 5g	
operating frequency maximum 600 1/h	 for railway applications acc. to DIN EN 61373 	Category 1, Class B	
	operating frequency maximum	600 1/h	

mechanical service life (switching cycles) typical	300 000	
reference code acc. to IEC 81346-2	S	
Safety related data		
B10 value with high demand rate acc. to SN 31920	100 000	
proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	20 %	
 with high demand rate acc. to SN 31920 	20 %	
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT	
T1 value for proof test interval or service life acc. to IEC 61508	20 у	
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		
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	44.2 mm	
installation width	33.8 mm	
installation depth	26.3 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=3SU1001-1GB20-0AA0-Z Y19 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1GB20-0AA0-Z Y19 Service&Support (Manuals, Certificates, Characteristics, FAQs,)		
https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-		

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1GB20-0AA0-Z Y19&lang=en

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