SIEMENS

Data sheet

3SU1000-1HB20-0AA0-Z Y10



EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name SIRUS ACT product designation EMERGENCY STOP mushroom pushbuttons design of the product Actuating/signaling element product line Plastic, black, 22 mm Enclosure			
design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Enclosuro 1 Actuator design of the actuating element principle of operation of the actuating element latching principle of operation of the actuating element latching product extension optional No • light source Yes color • of the actuating element material of the actuating element plastic shape of the actuating element plastic shape of the actuating element quark outer diameter of the actuating element quark round outer diameter of the actuating element aumber of switching positions 2 Front ring No general technical data Yes product function Yes EMERGENCY OFF function Yes EMERGENCY OFF function Yes e EMERGENCY OFF function Yes shock resistance acc. to DIN EN 61373 ot railway applications acc. to DIN EN 61373 Category 1, Class B </th <th>product brand name</th> <th>SIRIUS ACT</th>	product brand name	SIRIUS ACT	
product type designation 3SU1 product line Plastic, black, 22 mm Enclosure Inumber of command points Actuator 1 Actuator design of the actuating element principle of operation of the actuating element positive latching principle of operation of the actuating element latching ight source No • light source No • contact module Yes color • of the actuating element material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element A0 mm marking of the actuating element A0 mm mumber of switching positions 2 Front ring Improduct component front ring product component front ring No General tochnical data Yes protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance Sinusoidal haft-wave 50g / 11 ms e for railway applications acc. Io DIN EN 6	product designation	EMERGENCY STOP mushroom pushbuttons	
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number of switching positions2Front ringNoproduct component front ringNoGeneral technical dataYesproduct 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 resistancesinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistanceI0 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class B	marking of the actuating element		
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product component front ring No General technical data	number of switching positions	2	
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vibration resistance• acc. to IEC 60068-2-610 500 Hz: 5g• 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	45.3 mm
installation width	40 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/produc Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau Service&Support (Manuals, Certificates, Characteristics,	t?mlfb=3SU1000-1HB20-0AA0-Z Y10 lt.aspx?lang=en&mlfb=3SU1000-1HB20-0AA0-Z Y10
https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-	<u>1HB20-0ÁA0-Z Y10</u>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1HB20-0AA0-Z Y10&lang=en

last modified:

12/21/2020 🖸