SIEMENS

Data sheet

3SU1001-1JB20-0AA0-Z Y10



EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, plastic, red, 60 mm, positive latching, acc. to EN ISO 13850, rotate-tounlatch, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name SIRIUS ACT product designation EMERGENCY STOP mushroom pushbuttons design of the product Actuating/signaling element product line Plastic, black, 22 mm number of command points 1 Actuator design of the actuating 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 Yes • contact module Yes color oth actuating element of the actuating element plastic shape of the actuating element plastic shape of the actuating element for and outer diameter of the actuating element for and withing of the actuating element for and shape of the actuating element for and marking of the actuating element for and product function for and marking of the actuating element for and shape of the actuating element for and product funcking divics rotata-to-unlatch mec		
design of the product Actuating/signaling element product type designation 35U1 product line Plastic, black, 22 mm Enclosure Immber of command points 1 Actuator design of the actuating element positive latching principle of operation of the actuating element latching principle of operation of the actuating element latching e light source Yes contact module Yes color of the actuating element of the actuating element plastic shape of the actuating element plastic shape of the actuating element form material of the actuating element form marking of the actuating element form for anlower of switching positions 2 Front ring form <th>product brand name</th> <th>SIRIUS ACT</th>	product brand name	SIRIUS ACT
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marking of the actuating elementAny inscription, text in upper/lower case, every line begins with upper case lettertype of unlocking devicerotate-to-unlatch mechanismnumber 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 resistance10 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class B	shape of the actuating element	round
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number of switching positions 2 Front ring No groduct component front ring No General technical data	marking of the actuating element	
Front ring No General technical data Froduct function 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 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 	type of unlocking device	rotate-to-unlatch mechanism
product component front ringNoGeneral technical dataproduct function• 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 resistance10 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class B	number of switching positions	2
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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	60 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=3SU1001-1JB20-0AA0-Z Y10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1JB20-0AA0-Z Y10	
Service&Support (Manuals, Certificates, Characteristics 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=3SU1001-1JB20-0AA0-Z Y10&lang=en

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