## SIEMENS

## Data sheet

## 3SU1000-1CA20-0AA0-Z Y19



Mushroom pushbutton, 22 mm, round, plastic, red, 60 mm, latching, pull-tounlatch mechanism, with laser labeling, inscription or symbol Customerspecific selection with SIRIUS ACT configurator (CIN)

product designationMushroom pushbuttonsdesign of the productActuating/signaling elementproduct type designation3SU1product linePlastic, black, 22 mmEnclosureInumber of command points1ActuatorActuating elementproduct extension optional light sourceNocolor of the actuating elementredmaterial of the actuating elementplasticshape of the actuating elementfor undouter diameter of the actuating element60 mmmarking of the actuating elementCustomized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)type of unlocking devicepull-to-unlatch mechanismnumber of switching positions2Front ringYesdesign of the front ringStandardmaterial of the front ringplasticblackStandard			
design of the product         Actuating/signaling element           product type designation         3SU1           product time         Plastic, black, 22 mm           Enclosure         Intervention           Actuator         Principle of operation of the actuating element         latching           product extension optional light source         No         No           color of the actuating element         red         material of the actuating element           material of the actuating element         glob mm         ound           outer diameter of the actuating element         60 mm         Customized labeling, text or symbols, can only be ordered via SIRIUS           ACT configurator/Configuration Identification Number (CIN)         type of unlocking device         pull-o-unlatch mechanism           number of switching positions         2         Front ring         Yes           design of the front ring         Yes         Standard           material of the front ring         plastic         Diack           General technical data         Product function         No           • EMERGENCY OFF function         No         Protection class IP           • EMERGENCY OFF function         No         Protection class IP           • according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms	product brand name	SIRIUS ACT	
product type designation         3SU1           product line         Plastic, black, 22 mm           Enclosure         number of command points         1           Actuator         1           principle of operation of the actuating element         latching           product extension optional light source         No           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         for any point           outer diameter of the actuating element         60 mm           outer diameter of the actuating element         for onfigurator/Configuration Identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           Front ring         product component front ring           plastic         Standard           color of the front ring         plastic           color of the front ring         black           General technical data         No           ecording to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms           eacording to IEC 60068-2-6         10 500 Hz; 5g           efor railway applications according to EN 61373         Category 1, Class B           vibration res	product designation	Mushroom pushbuttons	
product line         Plastic, black, 22 mm           number of command points         1           Actuator         Actuator           principle of operation of the actuating element         latching           product extension optional light source         No           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configuration identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           Front ring         Yes           design of the front ring         plastic           of the front ring         plastic           ord of the front ring         black           General technical data         Product function           e Aucer of to role 0068-2-27         sinusoidal half-wave 15g / 11 ms           e according to EEC 60068-2-6         10 500 Hz; 5g           e for railway applications according to EN 61373         Category 1, Class B           vibration resistance         according to EEC 60068-2-6         10 500 Hz; 5g           e according to EEC 60068-2-6	design of the product	Actuating/signaling element	
Enclosure         Investor of command points         1           Actuator         Iatching           principle of operation of the actuating element         Iatching           product extension optional light source         No           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         form           outer diameter of the actuating element         60 mm           outer diameter of the actuating element         Customized labeling, text or symbols, can only be ordered via SIRUS ACT Configuration Identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           Product component front ring         Yes           design of the front ring         plastic           color of the front ring         plastic           color of the front ring         black           General technical data         Product function           e EMERGENCY STOP function         No           e according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms           e for railway applications according to EN 61373         Category 1, Class B           vibration resistance         according to IEC 60068-2-6           according to IEC	product type designation	3SU1	
number of command points         1           Actuator         Principle of operation of the actuating element         latching           product extension optional light source         No         color of the actuating element         red           material of the actuating element         plastic         stape of the actuating element         round         outer diameter of the actuating element         60 mm           marking of the actuating element         Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           Front ring         Yes           design of the front ring         Standard           material of the front ring         plastic           color of the front ring         plastic           color of the front ring         black           General technical data         Vibration           product function         No           • EMERGENCY OFF function         No           • EMERGENCY STOP function         No           • according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms           • for railway applications according to EN 61373         Category 1, Class B           vibratior resistance </th <th>product line</th> <th>Plastic, black, 22 mm</th>	product line	Plastic, black, 22 mm	
Actuator           principle of operation of the actuating element         Iatching           product extension optional light source         No           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         60 mm           marking of the actuating element         Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           Front ring         Yes           design of the front ring         Standard           material of the front ring         plastic           color of the front ring         plastic           ord of the front ring         plastic           color of the front ring         plastic           otor of the front ring         plastic           otor of the front ring         plastic           otor function         No           • EMERGE	Enclosure		
principle of operation of the actuating element         latching           product extension optional light source         No           color of the actuating element         red           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         60 mm           marking of the actuating element         60 mm           marking of the actuating element         Customized labeling, text or symbols, can only be ordered via SIRUS ACT configuration Identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           Front ring         Yes           design of the front ring         Yes           design of the front ring         plastic           color of the front ring         black           Orderal technical data         product function           e EMERGENCY OFF function         No           e EMERGENCY STOP function         No           e according to IEC 60068-2-27         sinusoidal haff-wave 15g / 11 ms           e for railway applications according to EN 61373         Category 1, Class B           vibration resistance         according to IEC 60068-2-6         10 500 Hz: 5g           e for railway a	number of command points	1	
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ACT configuration/Configuration Identification Number (CIN)           type of unlocking device         pull-to-unlatch mechanism           number of switching positions         2           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           e-EMERGENCY OFF function         No           e-EMERGENCY STOP function         No           groduct function         No           e-EMERGENCY STOP function         No           groduct function         Category 1, LP69 (IP69K)           degree of protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13           shock resistance         sinusoidal half-wave 15g / 11 ms           e-according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms           e-for railway applications according to EN 61373         Category 1, Class B           vibration resistance         Image: Sinusoidal half-wave 15g / 11 ms           e-for railway applications according to EN 61373         Category 1, Class B           operating frequency maximum         1800 1/h           mechanical service life (switching cycles) typical         500 000           reference code	outer diameter of the actuating element	60 mm	
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product functionNo• EMERGENCY OFF functionNo• EMERGENCY STOP functionNoprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance	color of the front ring	black	
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mechanical service life (switching cycles) typical       500 000         reference code according to IEC 81346-2       S	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
reference code according to IEC 81346-2 S	operating frequency maximum	1 800 1/h	
· · · · · · · · · · · · · · · · · · ·	mechanical service life (switching cycles) typical	500 000	
Substance Prohibitance (Date) 10/01/2014	reference code according to IEC 81346-2	S	
	Substance Prohibitance (Date)	10/01/2014	

Ambient conditions		
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +70 °C	
<ul> <li>during storage</li> </ul>	-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	60 mm	
width	60 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	60 mm	
installation depth	24.4 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=3SU1000-1CA20-0AA0-Z Y19		
Cax online generator		
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1CA20-0AA0-Z Y19		
Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-		

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-1CA20-0AA0-Z Y19&lang=en

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