SIEMENS

Data sheet   **3SU1001-1BA20-0AA0-Z Y12**

Illuminated mushroom pushbutton, 22 mm, round, plastic, red, 40mm, latching, pull-to-unlatch mechanism, with laser labeling, lower case

product brand name	SIRIUS ACT
product designation	Mushroom pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Plastic, black, 22 mm
Enclosure	
number of command points	1
Actuator	
design of the actuating element	illuminated
principle of operation of the actuating element	latching
product extension optional light source	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	40 mm
marking of the actuating element	Customized labeling, text in lower case letters
type of unlocking device	pull-to-unlatch mechanism
number of switching positions	2
Front ring	
product component 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	
● EMERGENCY OFF function	No
● EMERGENCY STOP function	No
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
● according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
● for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
● according to IEC 60068-2-6	10 ... 500 Hz: 5g
● for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (switching cycles) typical	500 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014

7/4/2022

Ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C
● during storage	-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	40 mm
width	40 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	40 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=3SU1001-1BA20-0AA0-Z Y12
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1BA20-0AA0-Z Y12
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1BA20-0AA0-Z Y12
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1BA20-0AA0-Z Y12&lang=en

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