## 3SU1000-1HF20-0AA0-Z X90

## **Data sheet**



EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, with RONIS lock, lock number SB30, positive latching, acc. to EN ISO 13850, key-operated release Z=50-unit packaging

product brand name	SIRIUS ACT
product designation	EMERGENCY STOP 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	positive latching
principle of operation of the actuating element	latching
product extension optional	
• light source	No
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	40 mm
type of unlocking device	Unlocking
number of switching positions	2
switch position for key distraction	0
lock make	RONIS
key number	SB30
Front ring	
product component front ring	No
General technical data	
product function	
<ul><li>positive opening</li></ul>	Yes
<ul> <li>EMERGENCY OFF function</li> </ul>	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	Sinusoidal half-wave 50g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
vibration resistance	
• acc. to IEC 60068-2-6	10 500 Hz: 5g

<ul> <li>for railway applications acc. to DIN EN 61373</li> </ul>	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	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	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 y
Ambient conditions	
<ul> <li>ambient temperature during operation</li> </ul>	-25 +70 °C
<ul><li>ambient temperature during operation</li><li>ambient temperature during storage</li></ul>	-25 +70 °C -40 +80 °C
	··· · · · ·
ambient temperature during storage     environmental category during operation acc. to IEC	-40 +80 °C
ambient temperature during storage environmental category during operation acc. to IEC 60721	-40 +80 °C
ambient temperature during storage environmental category during operation acc. to IEC 60721 Installation/ mounting/ dimensions	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %)
ambient temperature during storage environmental category during operation acc. to IEC 60721 Installation/ mounting/ dimensions shape of the installation opening	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %)
ambient temperature during storage environmental category during operation acc. to IEC 60721 Installation/ mounting/ dimensions shape of the installation opening mounting diameter	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %) round 22.3 mm
ambient temperature during storage environmental category during operation acc. to IEC 60721 Installation/ mounting/ dimensions shape of the installation opening mounting diameter positive tolerance of installation diameter	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %)  round 22.3 mm 0.4 mm
ambient temperature during storage environmental category during operation acc. to IEC 60721  Installation/ mounting/ dimensions shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %)  round 22.3 mm 0.4 mm 67.1 mm
ambient temperature during storage environmental category during operation acc. to IEC 60721  Installation/ mounting/ dimensions shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %)  round 22.3 mm 0.4 mm 67.1 mm 40 mm

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=3SU1000-1HF20-0AA0-Z X90

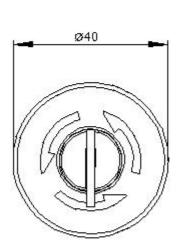
Cax online generator

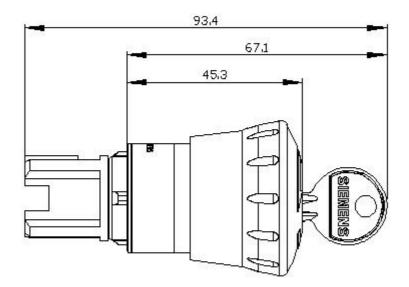
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1HF20-0AA0-Z X90

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1HF20-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-1HF20-0AA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-1HF20-0AA0-Z X90&lang=en</a>





last modified: 12/21/2020 🖸