



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, with lock Siemens, lock no. VL5, positive latching, according to DIN 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	Metal, shiny, 22 mm
<b>Enclosure</b>	
number of command points	1
<b>Actuator</b>	
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	O
lock make	CES
key number	VL5
<b>Front ring</b>	
product component front ring	No
<b>General technical data</b>	
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	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	600 1/h

mechanical service life (switching cycles) typical	300 000
reference code acc. to IEC 81346-2	S
<b>Safety related data</b>	
B10 value with high demand rate acc. to SN 31920	100 000
<b>proportion of dangerous failures</b>	
• 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
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y
<b>Ambient conditions</b>	
• 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 %)
<b>Installation/ mounting/ dimensions</b>	
<b>shape of the installation opening</b>	round
<b>mounting diameter</b>	22.3 mm
<b>positive tolerance of installation diameter</b>	0.4 mm
<b>mounting height</b>	84.5 mm
<b>installation width</b>	40 mm
<b>installation depth</b>	26.3 mm
<b>Certificates/ approvals</b>	
<b>Further information</b>	

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=3SU1050-1HU20-0AA0-Z\\_X90](https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-1HU20-0AA0-Z_X90)

Cax online generator

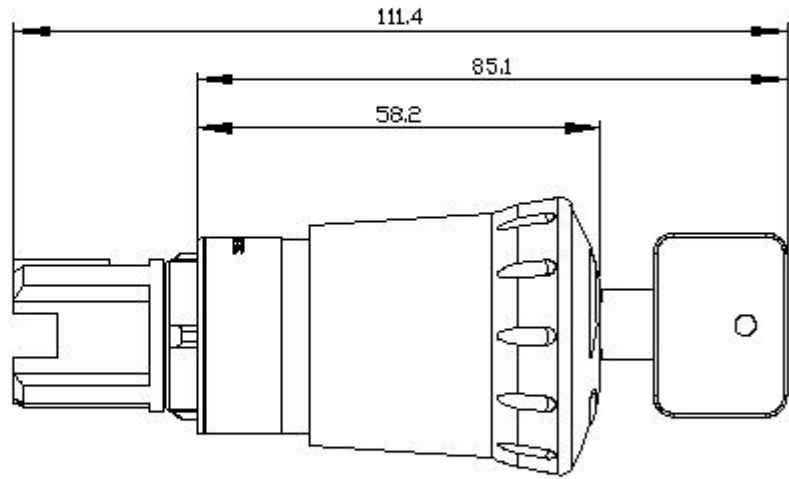
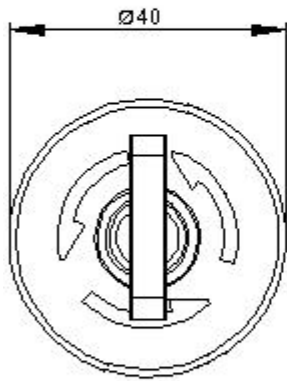
[http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HU20-0AA0-Z\\_X90](http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HU20-0AA0-Z_X90)

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

[https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HU20-0AA0-Z\\_X90](https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HU20-0AA0-Z_X90)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-1HU20-0AA0-Z\\_X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1HU20-0AA0-Z_X90&lang=en)



last modified:

9/23/2020 