SIEMENS

Data sheet 3SU1050-1HR20-0AA0



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, with lock Siemens, lock number SSG10, positive latching, according to DIN EN ISO 13850, key-operated release

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
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	O
lock make	CES
key number	SSG10
Front ring	
product component front ring	No
General technical data	
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

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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 y
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	84.5 mm
installation width	40 mm
installation depth	26.3 mm

Certificates/ approvals

General Product Approval				Declaration of Conformity	
CSA	UL	VDE	EAC	Miscellaneous	EG-Konf.

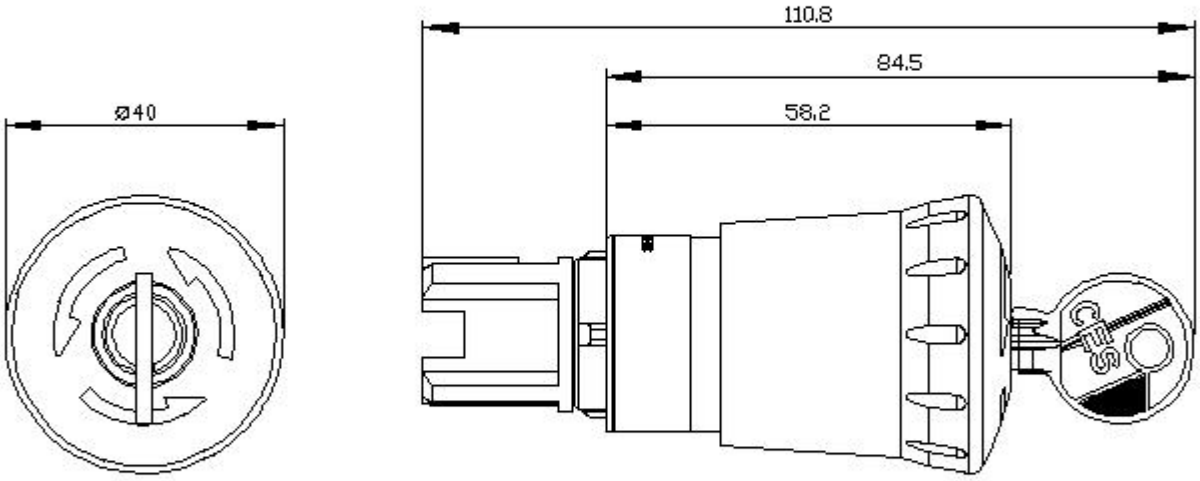
Declaration of Conformity	Test Certificates		Marine / Shipping		
Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate	ABS	LRS	PRS

Marine / Shipping		other
RINA	RMRS	Confirmation

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=3SU1050-1HR20-0AA0
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HR20-0AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HR20-0AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1HR20-0AA0&lang=en

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