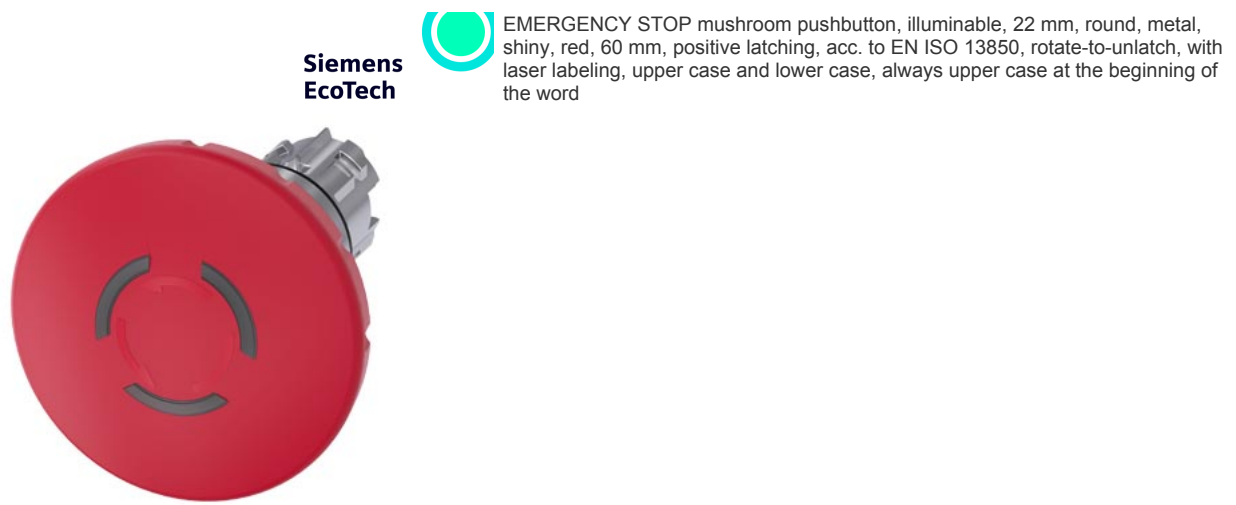




product brand name	SIRIUS ACT
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Metal, shiny, 22 mm
Enclosure	
number of command points	1
Actuator	
design of the actuating element	positive latching
principle of operation of the actuating element	latching
product extension optional	
• light source	Yes
• 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	60 mm
marking of the actuating element	Customized labeling, text in lower case/capital letters, all words start with capital letters
type of unlocking device	rotate-to-unlatch mechanism
number of switching positions	2
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	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	600 1/h
mechanical service life (operating cycles) typical	300 000

reference code according to IEC 81346-2	S				
Substance Prohibittance (Date)	10/01/2014				
Weight	0.099 kg				
Safety related data					
product function suitable for safety function	Yes				
service life maximum	20 a				
test wear-related service life necessary	Yes				
proportion of dangerous failures					
• with low demand rate according to SN 31920	20 %				
• with high demand rate according to SN 31920	20 %				
B10 value with high demand rate according to SN 31920	100 000				
failure rate [FIT] with low demand rate according to SN 31920	100 FIT				
ISO 13849					
device type according to ISO 13849-1	3				
IEC 61508					
safety device type according to IEC 61508-2	Type A				
T1 value for proof test interval or service life according to IEC 61508	20 a				
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%)				
Environmental footprint					
Environmental Product Declaration (EPD)	Yes				
Global Warming Potential [CO2 eq] total	0.593 kg				
Global Warming Potential [CO2 eq] during manufacturing	0.625 kg				
Global Warming Potential [CO2 eq] during operation	0.235 kg				
Global Warming Potential [CO2 eq] after end of life	-0.267 kg				
Siemens Eco Profile (SEP)	Siemens EcoTech				
Installation/ mounting/ dimensions					
shape of the installation opening	round				
mounting diameter	22.3 mm				
positive tolerance of installation diameter	0.4 mm				
mounting height	45.3 mm				
installation width	60 mm				
installation depth	26.3 mm				
Approvals Certificates					
<table> <tr> <th>General Product Approval</th><th>Test Certificates</th></tr> <tr> <td> Confirmation     </td><td> Type Test Certificates/Test Report </td></tr> </table>		General Product Approval	Test Certificates	Confirmation    	Type Test Certificates/Test Report
General Product Approval	Test Certificates				
Confirmation    	Type Test Certificates/Test Report				

Test Certificates	other	Environment
Special Test Certificate 	Confirmation 	Environmental Confirmations 

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SU1051-1JB20-0AA0-Z Y15>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-1JB20-0AA0-Z Y15>

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-1JB20-0AA0-Z_Y15

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-1JB20-0AA0-Z_Y15&lang=en

last modified:

12/18/2024 