

Siemens
EcoTech



Enclosure for command devices, 22 mm, round, Enclosure material metal, Enclosure top part yellow, 1 control point metal, A=EMERGENCY STOP mushroom pushbutton red, 40 mm, rotate-to-unlatch, Control point in center, 1 NC, screw terminal, floor mounting, 1xM20 each on top and bottom

product brand name	SIRIUS ACT
product designation	Enclosures
product type designation	3SU1
equipment of commanding and signaling device	A = EMERGENCY STOP mushroom pushbutton, 40 mm, with positive latching acc. to ISO 13850 and rotate-to-unlatch mechanism
manufacturer's article number	
- of supplied contact module at the command point A 1 - of the supplied holder at the command point A - of the supplied actuator at the command point A - of supplied empty enclosure	3SU1400-2AA10-1CA0 3SU1550-0AA10-0AA0 3SU1050-1HB20-0AA0 3SU1851-0AA00-0AA2
Enclosure	
design of the housing	Command point in center
shape of the enclosure front	Square
material of the enclosure	metal
number of command points	1
product component	
- EMERGENCY STOP device - protective collar	Yes No
color of the enclosure top part	yellow
delivery state	
- as a kit - pre-wired on strip terminal	No No
fastening method of the enclosure	Vertical
Actuator	
design of the actuating element	EMERGENCY STOP mushroom pushbutton
suitability for use EMERGENCY OFF switch	Yes
product feature lockout	No
product extension optional light source	No
color of the actuating element	red
material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	1
type of unlocking device	A = rotate-to-unlatch mechanism
Front ring	
product component front ring	No
design of the front ring	Standard

Holder	
material of the holder	Plastic
Display	
number of LED modules	0
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 15 g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5 g
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (day/month/year)	10/01/2014
SVHC substance name	Lead CAS-No. 7439-92-1
Net Weight	595 g
operating voltage	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC rated value	5 ... 500 V
Communication/ Protocol	
design of the interface for communication	without
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	0
Connections/ Terminals	
type of electrical connection of modules and accessories	Screw-type terminal
type of electrical connection on enclosure	Cable routing above and below, both 1 x M20
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque of fixing screws in the enclosure cover	1.5 ... 1.7 N·m
tightening torque with screw-type terminals	0.8 ... 0.9 N·m
Safety related data	
product function suitable for safety function	Yes
test wear-related service life necessary	Yes
proportion of dangerous failures	
• with low demand rate according to SN 31920	20 %
• with high demand rate per NC contact according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	100 000
failure rate [FIT] with low demand rate per NC contact 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%, no condensation in operation permitted for all devices behind front panel)	
Installation/ mounting/ dimensions			
fastening method of modules and accessories		Floor mounting	
height		89.4 mm	
width		85 mm	
depth		109 mm	
shape of the installation opening		round	
Accessories			
number of labels		0	
number of inscription plates		0	
Approvals Certificates			
Environmental Product Declaration			
• 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	
• global warming potential [CO2 eq] / total		0.593 kg	
Environment		General Product Approval	
Environmental Confirmations		    	
General Product Approval		Test Certificates	Maritime application
  		Type Test Certificates/Test Report	Special Test Certificate 
Maritime application		other	
  		Confirmation 	
Further information			
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875			
Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012			
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=3SU1851-0NA00-2AA2			
Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1851-0NA00-2AA2			
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1851-0NA00-2AA2			
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1851-0NA00-2AA2&lang=en			



