SIEMENS

Data sheet   **3SU1801-0NA00-2AA2**

Enclosure for command devices, 22 mm, round, Enclosure material plastic, Enclosure top part yellow, 1 control point plastic, Control point in center, A=EMERGENCY STOP mushroom pushbutton red, 40 mm, rotate-to-unlatch, 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	A1 = 3SU1400-2AA10-1CA0
● of supplied contact module at the command point A 1	3SU1400-2AA10-1CA0
● of the supplied holder	A = 3SU1500-0AA10-0AA0
● of the supplied holder at the command point A	3SU1500-0AA10-0AA0
● of the supplied actuator	A = 3SU1000-1HB20-0AA0
● of the supplied actuator at the command point A	3SU1000-1HB20-0AA0
● of supplied empty enclosure	3SU1801-0AA00-0AA2
Enclosure	
design of the housing	Command point in center
shape of the enclosure front	Square
material of the enclosure	plastic
number of command points	1
product component	
● EMERGENCY STOP device	Yes
● protective collar	No
color of the enclosure top part	yellow
delivery state	
● as a kit	No
● pre-wired on strip terminal	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	

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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, 12K, 13
shock resistance	
● according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
● for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
● according to IEC 60068-2-6	10 ... 500 Hz: 5g
● for railway applications according to EN 61373	Category 1, Class B
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 (Date)	10/01/2014
Weight	319 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

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)

Environmental footprint

Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	0.787 kg
global warming potential [CO2 eq] during manufacturing	0.566 kg
global warming potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg

Installation/ mounting/ dimensions

fastening method of modules and accessories	Floor mounting
height	85 mm
width	85 mm
depth	109 mm
shape of the installation opening	round

Accessories

number of labels	0
number of inscription plates	0

General Product Approval					**Test Certificates**
CCC	UKCA	CE EG-Konf.	c(UL)us	EAC	[Special Test Certificate](#)

Test Certificates	**other**	**Environment**		
[Type Test Certificates/Test Report](#)	[Confirmation](#)	EPD	Siemens EcoTech	[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=3SU1801-0NA00-2AA2
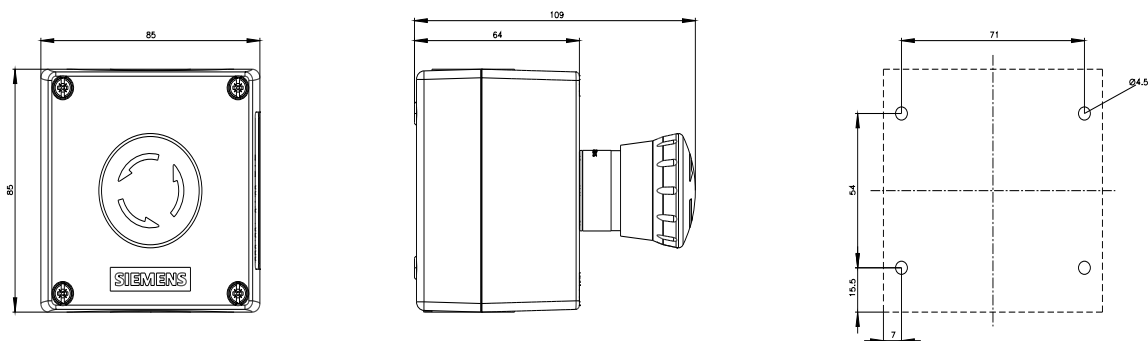
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1801-0NA00-2AA2
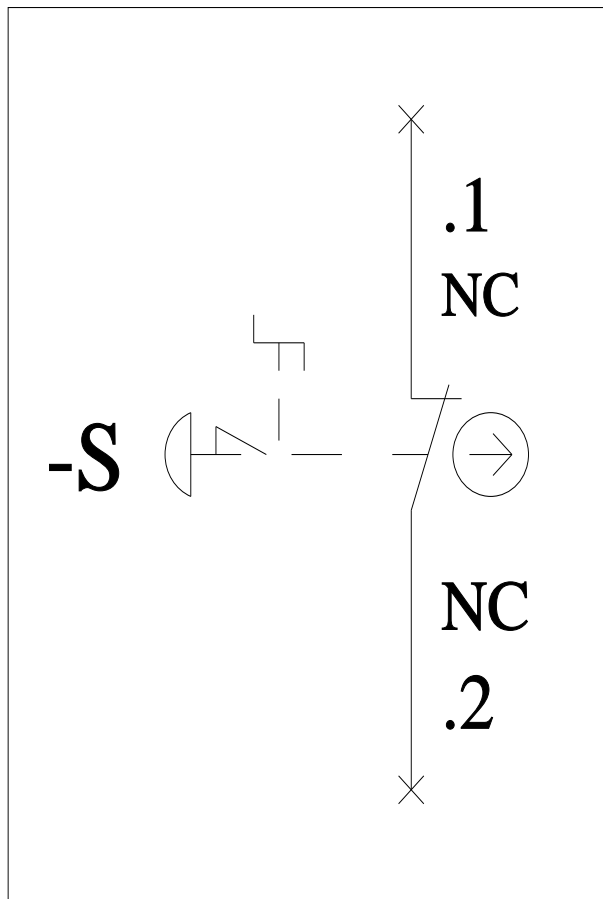
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0NA00-2AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1801-0NA00-2AA2&lang=en

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.1
NC

NC
.2

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