## SIEMENS

## Data sheet

## 3SU1801-0NA00-2AC2



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

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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			
<ul> <li>of supplied contact module</li> </ul>	A1 = 3SU1400-2AA10-1CA0		
<ul> <li>of supplied contact module at the command point A 1</li> </ul>	<u>3SU1400-2AA10-1CA0</u>		
<ul> <li>of the supplied holder</li> </ul>	A = 3SU1500-0AA10-0AA0		
<ul> <li>of the supplied holder at the command point A</li> </ul>	<u>3SU1500-0AA10-0AA0</u>		
<ul> <li>of the supplied actuator</li> </ul>	A = 3SU1000-1HB20-0AA0		
<ul> <li>of the supplied actuator at the command point A</li> </ul>	<u>3SU1000-1HB20-0AA0</u>		
<ul> <li>of supplied empty enclosure</li> </ul>	<u>3SU1801-0AA00-0AC2</u>		
Enclosure			
design of the housing	with protective collar		
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		
<ul> <li>pre-wired on strip terminal</li> </ul>	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		
ront 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, 12K, 13
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	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
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	
Auxiliary circuit design of the contact of auxiliary contacts	Silver alloy
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy 1
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	Silver alloy
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	Silver alloy 1 0
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories	Silver alloy 1 0 Screw-type terminal
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure	Silver alloy 1 0 Screw-type terminal Cable routing above and below, both 1 x M20
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket	Silver alloy 1 0 Screw-type terminal Cable routing above and below, both 1 x M20 1 1.2 N·m
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover	Silver alloy 1 0 Screw-type terminal Cable routing above and below, both 1 x M20 1 1.2 N·m 1.5 1.7 N·m
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque with screw-type terminals	Silver alloy 1 0 Screw-type terminal Cable routing above and below, both 1 x M20 1 1.2 N·m
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Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature	Silver alloy 1 0 Screw-type terminal Cable routing above and below, both 1 x M20 1 1.2 N·m 1.5 1.7 N·m 0.8 0.9 N·m
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m
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Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
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Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] total         Global Warming Potential [CO2 eq] during manufacturing	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental footprint         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.787 kg
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental footprint         Environmental footprint         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation         Global Warming Potential [CO2 eq] during operation         Global Warming Potential [CO2 eq] during operation	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.787 kg         0.566 kg
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental footprint         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.787 kg         0.566 kg         0.235 kg
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental footprint         Environmental footprint         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation         Global Warming Potential [CO2 eq] during operation         Global Warming Potential [CO2 eq] during operation	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.787 kg         0.566 kg         0.235 kg
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Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] total         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation         Global Warming Potential [CO2 eq] after end of life         Installation/ mounting/ dimensions         fastening method of modules and accessories	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.787 kg         0.566 kg         0.235 kg         -0.015 kg         Floor mounting         85 mm         85 mm
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental footprint         Environmental footprint         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation         fastening method of modules and accessories         height         width         depth	Silver alloy 1 0 Screw-type terminal Cable routing above and below, both 1 x M20 1 1.2 N·m 1.5 1.7 N·m 0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg Floor mounting 85 mm 85 mm 85 mm 112.5 mm
Auxiliary circuit         design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection of modules and accessories         type of electrical connection on enclosure         tightening torque of the screws in the bracket         tightening torque of fixing screws in the enclosure cover         tightening torque with screw-type terminals         Ambient conditions         ambient temperature         • during operation         • during storage         environmental footprint         Environmental footprint         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] during manufacturing         Global Warming Potential [CO2 eq] during operation         Global Warming Potential [CO2 eq] after end of life         Installation/ mounting/ dimensions         fastening method of modules and accessories         height         width	Silver alloy         1         0         Screw-type terminal         Cable routing above and below, both 1 x M20         1 1.2 N·m         1.5 1.7 N·m         0.8 0.9 N·m         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.787 kg         0.566 kg         0.235 kg         -0.015 kg         Floor mounting         85 mm         85 mm

umber of inscription		0			
	plates	0			
provals Certificates					
General Product Appr	oval				
SP.	UK CA	CE EG-Konf.		<u>Confirmation</u>	
General Product Ap- proval	Test Certificates		Marine / Shipping		
EHC	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyds Register us	PRS
Marine / Shipping	other	Environment			
RINA	<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations	

Information- and Downloadcenter (Catalogs, Brochures,...)

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0NA00-2AC2

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1801-0NA00-2AC2

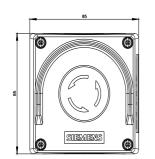
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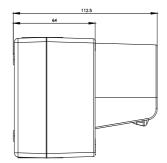
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1801-0NA00-2AC2&lang=en

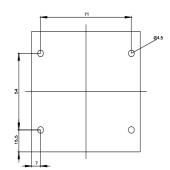
https://www.siemens.com/ic10

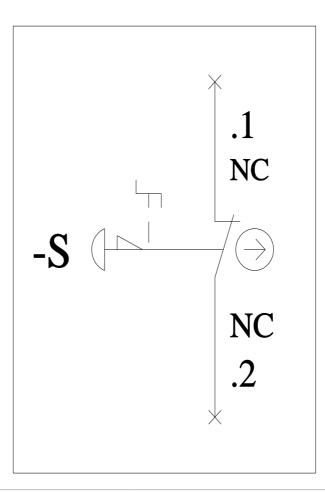
Cax online generator

Industry Mall (Online ordering system)









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