## SIEMENS

## Data sheet

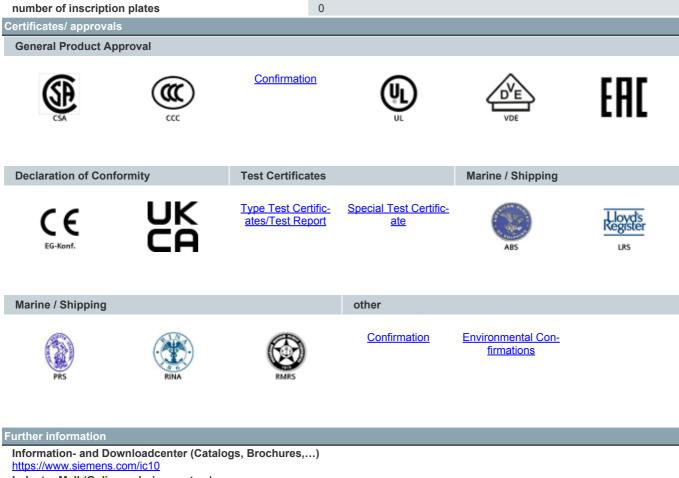
## 3SU1801-0AD00-2AB1



Enclosure for command devices, 22 mm, round, Enclosure material plastic, enclosure top part gray, 1 control point plastic, Recess for label, A=Pushbutton white, label: I, 1 NO, screw terminal, floor mounting, Label enclosed

product designation         Enclosures           product type designation         3SU1           equipment of commanding and signaling device         A = Pushbutton           manufacturer's article number         A2 = 3SU1400-2AA10-1BA0           • of supplied contact module at the command point A         3SU1500-0AA10-0AA0           • of the supplied holder         A = 3SU1500-0AA10-0AA0           • of the supplied dactuator at the command point A         3SU1500-0AA10-0AA0           • of the supplied actuator at the command point A         3SU1000-0AB60-0AA0           • of the supplied actuator at the command point A         3SU1000-0AB60-0AA0           • of the supplied actuator at the command point A         3SU1000-0AB60-0AA0           • of supplied accessory         A = 3SU1900-0AF16-0QB0           • of supplied accessory         A = 3SU1900-0AF16-0QB0           • of the enclosure front         Square           • design of the housing         with recess for label           shape of the enclosure front         plastic           • number of command points         1           product component         No           • EMERGENCY STOP device         No           • as a kit         No           • as a kit         No           • pre-wired on strip terminal         No	-	SIRIUS ACT
equipment of commanding and signaling device       A = Pushbutton         equipment of commanding and signaling device       A = Pushbutton         equipment of commanding and signaling device       A = Pushbutton         eof supplied contact module at the command point A       3SU1400-2AA10-1BA0         2       of the supplied holder       A = 3SU1500-0AA10-0AA0         a of the supplied actuator       3SU1000-0AB60-0AA0         a of the supplied actuator at the command point A       3SU1000-0AB60-0AA0         a of the supplied actuator at the command point A       3SU1000-0AB60-0AA0         a of the supplied actuator at the command point A       3SU1000-0AB60-0AA0         a of supplied accessory       A = 3SU1900-0AF16-00B0         b of the supplied accessories at the command point A       3SU1900-0AF16-00B0         e design of the housing       with recess for label         shape of the enclosure front       Square         number of command points       1         product component       1         e EMERGENCY STOP device       No         o of the enclosure top part       grey         delivery state       eas a kit         o as a kit       No         o pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         <	product designation	Enclosures
manufacturer's article number       A2 = 3SU1400-2AA10-1BA0         • of supplied contact module at the command point A       3SU1400-2AA10-1BA0         • of the supplied contact module at the command point A       3SU1400-2AA10-1BA0         • of the supplied holder       A = 3SU1500-0AA10-0AA0         • of the supplied actuator       3SU1500-0AA10-0AA0         • of the supplied actuator at the command point A       3SU1000-0A860-0AA0         • of supplied actuator at the command point A       3SU1900-0A860-0AA0         • of supplied actuator at the command point A       3SU1900-0A860-0AA0         • of supplied accessory       A = 3SU1900-0AF16-0QB0         • of supplied accessories at the command point A       3SU1900-0AF16-0QB0         Enclosure       plastic         number of command points       1         product component       No         • EMERGENCY STOP device       No         • as a kit       No         • as a kit       No         • protextive collar       Vertical         • as a kit       No         • grey-wired on strip terminal       No         • pre-wired on strip terminal       No         • as a kit       No         • grey-wired on strip terminal       No         • grey-wired on strip terminal       No </td <td>product type designation</td> <td>3SU1</td>	product type designation	3SU1
• of supplied contact module       A2 = 3SU1400-2AA10-1BA0         • of supplied contact module at the command point A       3SU1400-2AA10-1BA0         2       • of the supplied holder       A = 3SU1500-0AA10-0AA0         • of the supplied actuator       3SU1500-0AA10-0AA0         • of the supplied actuator       3SU1000-0AB60-0AA0         • of the supplied actuator       3SU1000-0AB60-0AA0         • of the supplied actuator at the command point A       3SU1900-0AB60-0AA0         • of supplied accessory       A = 3SU1900-0AF16-0QB0         • of the supplied accessories at the command point A       3SU1900-0AF16-0QB0         • of supplied accessories at the command point A       3SU1900-0AF16-0QB0         • of the enclosure front       Square         material of the enclosure front       Square         • product component       1         • EMERGENCY STOP device       No         • of stip terminal       grey         delivery state       • as a kit         • as a kit       No         • pre-wired on strip terminal       No         • pre-wired of the enclosure       Vertical         Actuator       Vertical	equipment of commanding and signaling device	A = Pushbutton
• of supplied contact module at the command point A       3SU1400-2AA10-1BAQ         2       • of the supplied holder       A = 3SU1500-0AA10-0AA0         • of the supplied holder at the command point A       3SU1500-0AA10-0AAQ         • of the supplied actuator       SSU1000-0AB60-0AAQ         • of the supplied actuator at the command point A       3SU1000-0AB60-0AAQ         • of supplied actuator at the command point A       SSU1900-0AF16-0QB0         • of supplied accessory       A = 3SU1900-0AF16-0QB0         • of the supplied accessories at the command point A       3SU1900-0AF16-0QB0         • of the neusing       with recess for label         shape of the enclosure       plastic         number of command points       1         product component       Sulfaction         • EMERGENCY STOP device       No         • product congonent       grey         • as a kit       No         • as a kit       No         • as a kit       No         • pre-wired on strip terminal       No         • color of the enclosure       Vertical	manufacturer's article number	
2 <ul> <li>of the supplied holder</li> <li>A = 3SU1500-0AA10-0AA0</li> <li>of the supplied holder at the command point A</li> <li>3SU1500-0AA10-0AA0</li> <li>of the supplied actuator</li> <li>3SU1500-0AB60-0AA0</li> <li>of the supplied actuator at the command point A</li> <li>3SU1000-0AB60-0AA0</li> <li>of supplied empty enclosure</li> <li>aSU1300-0AB60-0AA0</li> <li>of supplied accessory</li> <li>A = 3SU1900-0AF16-0QB0</li> <li>Enclosure</li> <li>design of the housing</li> <li>with recess for label</li> <li>shape of the enclosure front</li> <li>square</li> <li>material of the enclosure</li> <li>plastic</li> <li>number of command points</li> <li>1</li> <li>product component</li> <li>EMERGENCY STOP device</li> <li>protective collar</li> <li>color of the enclosure top part</li> <li>grey</li> <li>delivery state</li> <li>as a kit</li> <li>pre-wired on strip terminal</li> <li>No</li> <li>fastening method of the enclosure</li> <li>Vertical</li> <li>Actuator</li> <li>design of the actuating element</li> <li>Pushbutton</li> <li>No</li> <li>suitability for use EMERGENCY OFF switch</li> <li>No</li> <li>No</li> <li>Suitability for use EMERGENCY OFF switch</li> <li>Suitability for use EMERGENCY OFF switch</li> <li>Suitability for use EMERGENCY OFF switch</li> </ul> <li>Suitability for use EMERGENCY OFF switch</li>	<ul> <li>of supplied contact module</li> </ul>	A2 = 3SU1400-2AA10-1BA0
• of the supplied holder at the command point A3SU1500-0AA10-0AA0• of the supplied actuator3SU1000-0AB60-0AA0• of the supplied actuator at the command point A3SU1000-0AB60-0AA0• of supplied empty enclosure3SU1801-0AA00-0AB1• of supplied accessoryA = 3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the supplied accessories at the command point ASupplied accessories• of the supplied accessories at the command point ASU1900-0AF16-0QB0• of the supplied accessories at the command point ASupplied accessories• of the enclosureplasticmaterial of the enclosure frontSquarenumber of command points1product componentI• EMERGENCY STOP deviceNo• protective collarNo• color of the enclosure top partgreydelivery stateI• as a kitNo• pre-wired on strip terminalNofastening method of the enclosureVerticalActuatorActuatordesign of the actuating elementPushbuttonsuitability for use EMERGENCY OFF switchNo		<u>3SU1400-2AA10-1BA0</u>
• of the supplied actuator3SU1000-0AB60-0AA0• of the supplied actuator at the command point A3SU1000-0AB60-0AA0• of supplied empty enclosure3SU1801-0AA00-0AB1• of supplied accessoryA = 3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0• of the enclosure frontSquarematerial of the enclosure frontplasticnumber of command points1product componentI• EMERGENCY STOP deviceNo• protective collarNo• as a kitNo• as a kitNo• pre-wired on strip terminalNofastening method of the enclosureVerticalActuatorActuating elementdesign of the actuating elementPushbuttonsuitability for use EMERGENCY OFF switchNo	<ul> <li>of the supplied holder</li> </ul>	A = 3SU1500-0AA10-0AA0
• of the supplied actuator at the command point A3SU1000-0AB60-0AA0• of supplied empty enclosure3SU1801-0AA00-0AB1• of supplied accessoryA = 3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0Enclosure3SU1900-0AF16-0QB0design of the housingwith recess for labelshape of the enclosure frontSquarematerial of the enclosureplasticnumber of command points1product component1• EMERGENCY STOP deviceNo• protective collargreycolor of the enclosure to partgreydelivery stateNo• as a kitNo• pre-wired on strip terminalNoActuatorVerticaldesign of the actuating elementPushbuttonsuitability for use EMERGENCY OFF switchNo	<ul> <li>of the supplied holder at the command point A</li> </ul>	<u>3SU1500-0AA10-0AA0</u>
• of supplied empty enclosure3SU1801-0AA00-0AB1• of supplied accessoryA = 3SU1900-0AF16-0QB0• of the supplied accessories at the command point A3SU1900-0AF16-0QB0Enclosuredesign of the housingwith recess for labelshape of the enclosure frontSquarematerial of the enclosureplasticnumber of command points1product componentI• EMERGENCY STOP deviceNo• protective collarNocolor of the enclosure top partgreydelivery stateNo• as a kitNo• pre-wired on strip terminalNofastening method of the enclosureVerticalActuatorActuating elementwitability for use EMERGENCY OFF switchNo	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-0AB60-0AA0</u>
• of supplied accessory       A = 3SU1900-0AF16-0QB0         • of the supplied accessories at the command point A       3SU1900-0AF16-0QB0         Enclosure       design of the housing       with recess for label         shape of the enclosure front       Square         material of the enclosure       plastic         number of command points       1         product component       •         • EMERGENCY STOP device       No         • protective collar       No         color of the enclosure top part       grey         delivery state       • as a kit         • as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator       design of the actuating element         witability for use EMERGENCY OFF switch       No	<ul> <li>of the supplied actuator at the command point A</li> </ul>	<u>3SU1000-0AB60-0AA0</u>
• of the supplied accessories at the command point A3SU1900-0AF16-0QB0Enclosurewith recess for labeldesign of the housingwith recess for labelshape of the enclosure frontSquarematerial of the enclosureplasticnumber of command points1product componentNo• EMERGENCY STOP deviceNo• protective collarNocolor of the enclosure top partgreydelivery stateNo• as a kitNo• pre-wired on strip terminalNofastening method of the enclosureVerticalActuatorPushbuttonMoNoNoNoNoResign of the actuating elementPushbuttonsuitability for use EMERGENCY OFF switchNo	<ul> <li>of supplied empty enclosure</li> </ul>	<u>3SU1801-0AA00-0AB1</u>
Enclosure         design of the housing       with recess for label         shape of the enclosure front       Square         material of the enclosure       plastic         number of command points       1         product component       -         • EMERGENCY STOP device       No         • protective collar       No         color of the enclosure top part       grey         delivery state       -         • as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator       -         design of the actuating element       Pushbutton         suitability for use EMERGENCY OFF switch       No	<ul> <li>of supplied accessory</li> </ul>	A = 3SU1900-0AF16-0QB0
design of the housingwith recess for labelshape of the enclosure frontSquarematerial of the enclosureplasticnumber of command points1product component-• EMERGENCY STOP deviceNo• protective collarNocolor of the enclosure top partgreydelivery state-• as a kitNo• pre-wired on strip terminalNofastening method of the enclosureVerticalActuatorPushbuttonsuitability for use EMERGENCY OFF switchNo	<ul> <li>of the supplied accessories at the command point A</li> </ul>	<u>3SU1900-0AF16-0QB0</u>
shape of the enclosure front       Square         material of the enclosure       plastic         number of command points       1         product component       -         • EMERGENCY STOP device       No         • protective collar       No         color of the enclosure top part       grey         delivery state       -         • as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator       Pushbutton         suitability for use EMERGENCY OFF switch       No	Enclosure	
material of the enclosure       plastic         number of command points       1         product component       -         • EMERGENCY STOP device       No         • protective collar       No         color of the enclosure top part       grey         delivery state       -         • as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator       -         design of the actuating element       Pushbutton         suitability for use EMERGENCY OFF switch       No	design of the housing	with recess for label
number of command points       1         product component	shape of the enclosure front	Square
product component       Final Product component         • EMERGENCY STOP device       No         • protective collar       No         color of the enclosure top part       grey         delivery state	material of the enclosure	plastic
• EMERGENCY STOP device       No         • protective collar       No         color of the enclosure top part       grey         delivery state       -         • as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator       -         design of the actuating element       Pushbutton         suitability for use EMERGENCY OFF switch       No	number of command points	1
• protective collar       No         color of the enclosure top part       grey         delivery state       -         • as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator       -         design of the actuating element       Pushbutton         suitability for use EMERGENCY OFF switch       No	product component	
color of the enclosure top part       grey         delivery state	EMERGENCY STOP device	No
delivery state     No       • as a kit     No       • pre-wired on strip terminal     No       fastening method of the enclosure     Vertical       Actuator     Vertical       design of the actuating element     Pushbutton       suitability for use EMERGENCY OFF switch     No	protective collar	No
• as a kit       No         • pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator          design of the actuating element       Pushbutton         suitability for use EMERGENCY OFF switch       No	color of the enclosure top part	grey
• pre-wired on strip terminal       No         fastening method of the enclosure       Vertical         Actuator	delivery state	
fastening method of the enclosure     Vertical       Actuator     Pushbutton       suitability for use EMERGENCY OFF switch     No	● as a kit	No
Actuator       Pushbutton         design of the actuating element       Pushbutton         suitability for use EMERGENCY OFF switch       No	<ul> <li>pre-wired on strip terminal</li> </ul>	No
design of the actuating element     Pushbutton       suitability for use EMERGENCY OFF switch     No	fastening method of the enclosure	Vertical
suitability for use EMERGENCY OFF switch No	Actuator	
	design of the actuating element	Pushbutton
product feature lockout No	suitability for use EMERGENCY OFF switch	No
	product feature lockout	No
product extension optional light source No	product extension optional light source	No
color of the actuating element white	color of the actuating element	white
material of the actuating element plastic		plastic
shape of the actuating element round		
number of contact modules 1	material of the actuating element	round
Front ring	material of the actuating element shape of the actuating element	
product component front ring Yes	material of the actuating element shape of the actuating element number of contact modules	

design of the front ring	Standard
material of the front ring	plastic
color of the front ring	black
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
General technical data	
product function	
<ul> <li>positive opening</li> </ul>	No
<ul> <li>EMERGENCY OFF function</li> </ul>	No
<ul> <li>EMERGENCY STOP function</li> </ul>	No
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
<ul> <li>at DC rated value</li> </ul>	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	0
number of NO contacts for auxiliary contacts	1
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)
Installation/ mounting/ dimensions	
fastening method of modules and accessories	Floor mounting
	05 mm
height	85 mm
heightwidth	85 mm
width	85 mm
width depth	85 mm 75 mm
width depth shape of the installation opening	85 mm 75 mm
width depth shape of the installation opening Accessories	85 mm 75 mm round
width depth shape of the installation opening Accessories number of labels	85 mm 75 mm round 1



Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1801-0AD00-2AB1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1801-0AD00-2AB1 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1801-0AD00-2AB1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1801-0AD00-2AB1&lang=en

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