SIEMENS

Data sheet 3SU1851-0AB00-2AB1

Siemens EcoTech



Enclosure for command devices, 22 mm, round, Enclosure material metal, enclosure top part gray, 1 control point metal, A=Pushbutton green, 1 NO, screw terminal, floor mounting, label: I, 1xM20 each on top and bottom, Label enclosed

product brand name	SIRIUS ACT
product designation	Enclosures
product type designation	3SU1
equipment of commanding and signaling device	A = Pushbutton
manufacturer's article number	
● of supplied contact module at the command point A 2	3SU1400-2AA10-1BA0
● of the supplied holder at the command point A	3SU1550-0AA10-0AA0
● of the supplied actuator at the command point A	3SU1050-0AB40-0AA0
● of supplied empty enclosure	3SU1851-0AA00-0AB1
● 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	metal
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
product feature lockout	No
product extension optional light source	No
color of the actuating element	green
material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	1
Front ring	
product component front ring	Yes
design of the front ring	Standard
material of the front ring	Metal, high gloss

Subject to change without notice
© Copyright Siemens

color of the front ring	silver
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
General technical data	
product function	
● positive opening	No
● EMERGENCY OFF function	No
● EMERGENCY STOP function	No
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
● for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
● **according to IEC 60068-2-6**	10 ... 500 Hz: 5 g
● 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 (day/month/year)	10/01/2014
SVHC substance name	Lead CAS-No. 7439-92-1
Net Weight	498.38 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	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
height	89.4 mm
width	85 mm
depth	75 mm
shape of the installation opening	round
Accessories	
number of labels	1
marking of the name plate for command devices	A = I
color of the label	A = black
number of inscription plates	0

Subject to change without notice
© Copyright Siemens

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

Environmental Confirmations

General Product Approval

General Product Approval

Test Certificates

Type Test Certificates/Test Report

Special Test Certificate

Maritime application

Maritime application

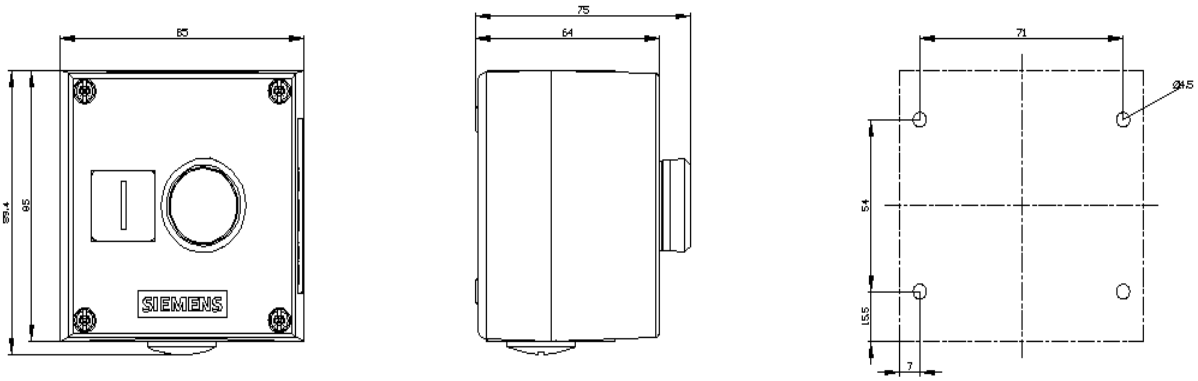
other

Confirmation

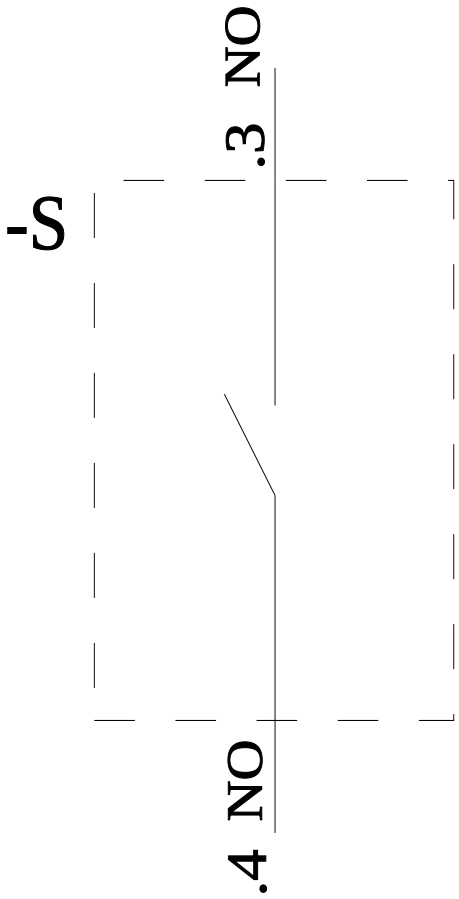
Further information

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=3SU1851-0AB00-2AB1
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1851-0AB00-2AB1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1851-0AB00-2AB1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1851-0AB00-2AB1&lang=en

Subject to change without notice
© Copyright Siemens



Subject to change without notice
© Copyright Siemens



last modified: 4/4/2026

Subject to change without notice
© Copyright Siemens