SIEMENS

Data sheet   **3SU1851-2GA00-2AA1**

Siemens EcoTech

Enclosure for command devices 22 mm, round, Enclosure material metal, enclosure top part gray, 1 control point metal, Control point in center, A = palm pushbutton, black, momentary contact type, 1 NO, screw terminal, Floor mounting

product brand name	SIRIUS ACT
product designation	Enclosures
product type designation	3SU1
equipment of commanding and signaling device	A = Palm switch, momentary-contact type
manufacturer's article number	
● of supplied contact module at the command point A 2	3SU1400-2AA10-1BA0
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	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	Palm switch
suitability for use EMERGENCY OFF switch	No
product feature lockout	No
product extension optional light source	No
color of the actuating element	black
material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	1
type of unlocking device	A = without
Front ring	
product component front ring	No
design of the front ring	Standard
material of the front ring	Metal, high gloss
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 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
SVHC substance name	Lead - 7439-92-1
Net Weight	630 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)

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	0.593 kg
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

Installation/ mounting/ dimensions	
fastening method of modules and accessories	Floor mounting
height	89.4 mm
width	85 mm
depth	119 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

Approvals Certificates

General Product Approval	Test Certificates

CCC   CE EG-Konf.   UKCA   VDE   EAC

[Type Test Certificates/Test Report](#)

Maritime application	other

BUREAU VERITAS   Lloyd's Register LRS   PRS   RINA   产品合格 QC PASS

[Confirmation](#)

Environment

Siemens EcoTech   EPD

[Environmental Confirmations](#)

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=3SU1851-2GA00-2AA1

Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1851-2GA00-2AA1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1851-2GA00-2AA1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1851-2GA00-2AA1&lang=en

85

89.4   85

119

68

71

Ø4.5

54

15.5

7

.3
NO

-S

NO
.4

12/20/2025