SIEMENS

Data sheet **3SU1851-0NH00-4NB2**

Enclosure for command devices, 22 mm, round, enclosure material metal, Enclosure top part yellow, 1 control point metal, A=Emergency stop mushroom pushbutton red, 40 mm, rotate-to-unlatch, 2 NC, spring-loaded terminal, floor mounting, silver label, black font, with graphic symbol: Emergency stop, M12 connector (5-pin) bottom, insulated reserve conductors Label glued in

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 = 3SU1400-1AA10-3CA0 / A2 = 3SU1400-1AA10-3CA0
● of supplied contact module at the command point A 1	3SU1400-1AA10-3CA0
● of supplied contact module at the command point A 2	3SU1400-1AA10-3CA0
● of the supplied holder	A = 3SU1550-0AA10-0AA0
● of the supplied holder at the command point A	3SU1550-0AA10-0AA0
● of the supplied actuator	A = 3SU1050-1HB20-0AA0
● of the supplied actuator at the command point A	3SU1050-1HB20-0AA0
● of supplied empty enclosure	3SU1851-0AA00-0AB2
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	Yes
● protective collar	No
color of the enclosure top part	grey
delivery state	
● as a kit	No
● pre-wired on strip terminal	Yes
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	2
type of unlocking device	A = rotate-to-unlatch mechanism
Front ring	
product component front ring	No
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, 12, 13
shock resistance	
● **according to IEC 60068-2-27**	sinusoidal half-wave 15g / 11 ms
vibration resistance	
● **according to IEC 60068-2-6**	10 ... 500 Hz: 5g
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)	07/01/2006
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
cable entry type	M12 plug, 5-pole

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	2
number of NO contacts for auxiliary contacts	0

Connections/ Terminals

type of electrical connection of modules and accessories	Spring-type terminal
type of electrical connection on enclosure	M12 connector, 5-pole
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

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	109 mm
shape of the installation opening	round

Accessories

number of labels	1
color of the label	A = black
number of inscription plates	0

Certificates/ approvals

General Product Approval

Confirmation

6/22/2023

Declaration of Conformity		Test Certificates	Marine / Shipping		
UKCA	CE EG-Konf.	Type Test Certificates/Test Report	ABS	Lloyd's Register LRS	PRS

Marine / Shipping	other	Environment	
RINA	Confirmation	Environmental Confirmations	

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1851-0NH00-4NB2
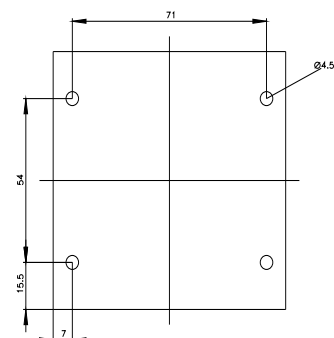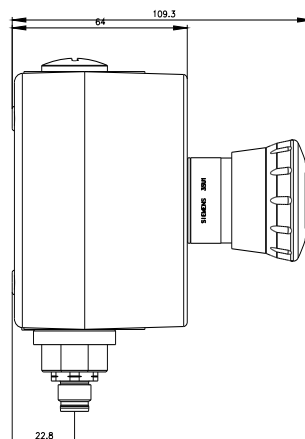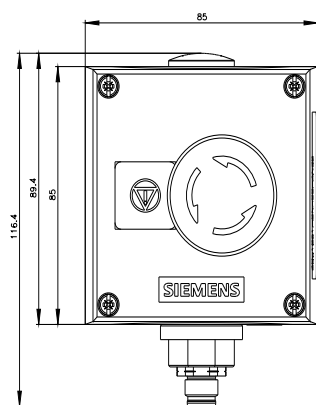
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1851-0NH00-4NB2
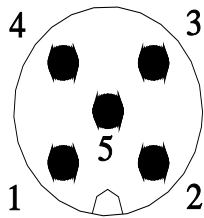
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
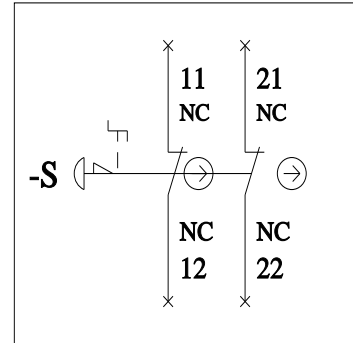https://support.industry.siemens.com/cs/ww/en/ps/3SU1851-0NH00-4NB2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1851-0NH00-4NB2&lang=en

6/22/2023

1	BN = Brown	→	21
2	BH = White	→	11
3	BU = Blue	→	n.c.
4	BK = Black	→	22
5	GY = Grey	→	12

-S

11 NC	21 NC
NC 12	NC 22

last modified:
1/26/2022

6/22/2023