SIEMENS

Data sheet 3SU1802-0NA00-2AB2

enclosure for command devices 22 mm, round, enclosure material plastic, enclosure top part yellow, 2 command points plastic, B=indicator light, red, LED 24 V AC/DC, screw terminal, label without inscription, A=EMERGENCY STOP, 40 mm, RONIS SB30, label with inscription: EMERGENCY STOP, 1 NO, 1 NC, screw terminal, base mounting, 1x M20 each on top and bottom, labels enclosed

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, B = indicator light
manufacturer's article number	
● of supplied contact module at the command point A 1	3SU1400-2AA10-1CA0
● of supplied contact module at the command point A 2	3SU1400-2AA10-1BA0
● of supplied LED module at the command point B	3SU1401-2BB20-1AA0
● of the supplied holder at the command point A	3SU1550-0AA10-0AA0
● of the supplied holder at the command point B	3SU1550-0AA10-0AA0
● of the supplied actuator at the command point A	3SU1050-1HF20-0AA0
● of the supplied actuator at the command point B	3SU1051-6AA20-0AA0
● of supplied empty enclosure	3SU1802-0AA00-0AB2
● of supplied support terminal at the command point A	3SU1400-4DA43-1AA0
● of the supplied accessories at the command point A	3SU1900-0AF16-0AA0
● of the supplied accessories at the command point B	3SU1900-0AF16-0AA0
Enclosure	
design of the housing	with recess for label
shape of the enclosure front	rectangular
material of the enclosure	plastic
number of command points	2
product component	
● EMERGENCY STOP device	Yes
● protective collar	No
color of the enclosure top part	yellow
delivery state	
● as a kit	No
● pre-wired on strip terminal	No
fastening method of the enclosure	Vertical
Actuator	
design of the actuating element	Indicator light / EMERGENCY STOP mushroom pushbutton
suitability for use EMERGENCY OFF switch	Yes
product feature lockout	No
product extension optional light source	Yes
color of the actuating element	A = red / B = red

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material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	2
type of unlocking device	A = key-operated release / B = without
Front ring	
product component front ring	Yes
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	1
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	
● 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)	10/01/2014
SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Net Weight	522 g
operating voltage	
● at AC	
— at 50 Hz rated value	24 ... 24 V
— at 60 Hz rated value	24 ... 24 V
● at DC rated value	24 ... 24 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	1
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
Lamp	
light intensity	450 ... 1 120 mcd
Safety related data	
product function suitable for safety function	Yes
test wear-related service life necessary	Yes
proportion of dangerous failures	
● with low demand rate according to SN 31920	20 %
● with high demand rate per NC contact according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	100 000

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failure rate [FIT] with low demand rate per NC contact according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value for proof test interval or service life according to IEC 61508	20 a
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, 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	114 mm
width	85 mm
depth	109 mm
shape of the installation opening	round
Accessories	
number of labels	2
marking of the name plate for command devices	A = "Emergency Stop" / B = without inscription
color of the label	A = black / B = black
number of inscription plates	0
Approvals Certificates	
Environmental Product Declaration	
• global warming potential [CO2 eq] / during manufacturing	0.566 kg
• global warming potential [CO2 eq] / during operation	0.235 kg
• global warming potential [CO2 eq] / after end of life	-0.0145 kg
• global warming potential [CO2 eq] / total	0.787 kg

Environment

Environmental Confirmations

General Product Approval

General Product Approval

Test Certificates

Special Test Certificate

Type Test Certificates/Test Report

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=3SU1802-0NA00-2AB2
Cax online generator

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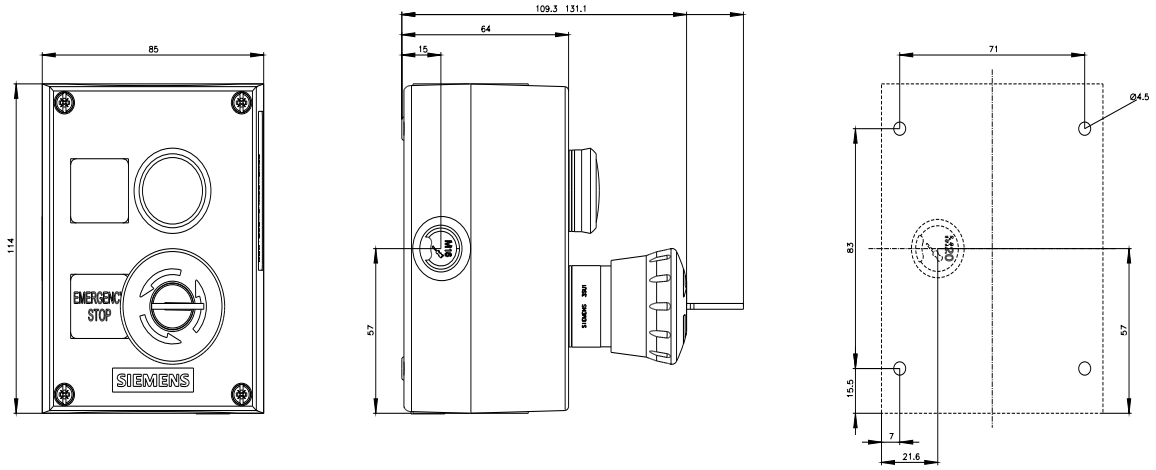
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1802-0NA00-2AB2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1802-0NA00-2AB2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1802-0NA00-2AB2&lang=en



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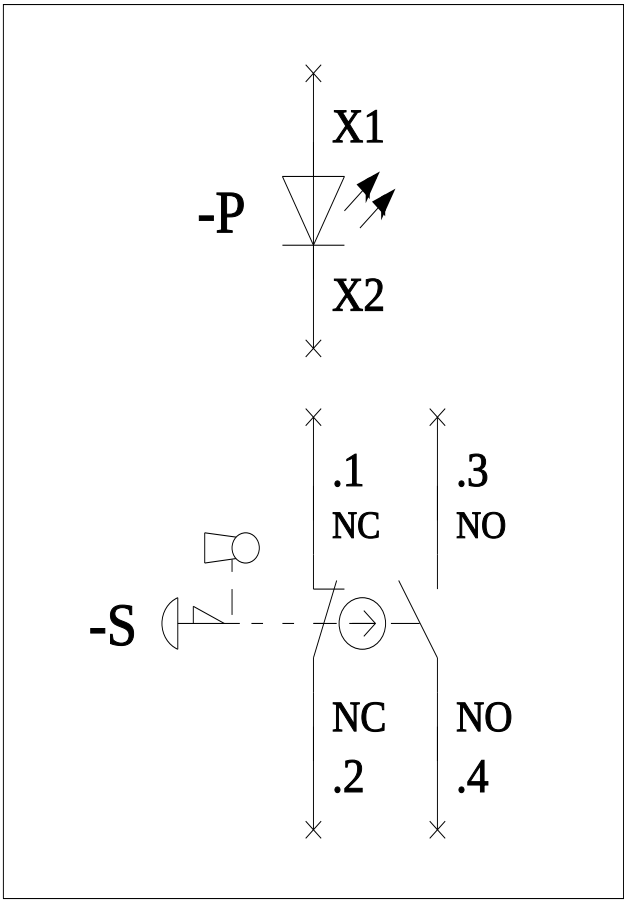

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