SIEMENS

Data sheet 3SU1803-3NB00-1AE1

Siemens EcoTech

two-hand operation console for command devices, 22 mm, round, enclosure material plastic, enclosure top part gray, 3 holes for command points, 8 additional preset breaking points for 22 mm command devices, 2 mushroom pushbuttons black 40 mm, 2x 1 NO+1 NC, screw terminal, 1x EMERGENCY STOP red, 40 mm, 2 NC, screw terminal, front mounting, with cable cut-outs for metric cable glands



product brand name	SIRIUS ACT
product designation	Two-hand operation console
product type designation	3SU1
manufacturer's article number	
● of supplied contact module	R2 = 3SU1400-1AA10-1BA0 / L2 = 3SU1400-1AA10-1BA0 / M1 = 3SU1400-1AA10-1CA0 / R1 = 3SU1400-1AA10-1CA0 / L1 = 3SU1400-1AA10-1CA0 / M2 = 3SU1400-1AA10-1CA0
● of supplied contact module at the command point A 1	3SU1400-1AA10-1CA0
● of supplied contact module at the command point A 3	3SU1400-1AA10-1BA0
● of supplied contact module at the command point B 1	3SU1400-1AA10-1CA0
● of supplied contact module at the command point B 3	3SU1400-1AA10-1CA0
● of supplied contact module at the command point C 1	3SU1400-1AA10-1CA0
● of supplied contact module at the command point C 3	3SU1400-1AA10-1BA0
● 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 holder at the command point C	3SU1550-0AA10-0AA0
● of the supplied actuator at the command point A	3SU1000-1BD10-0AA0
● of the supplied actuator at the command point B	3SU1000-1HB20-0AA0
● of the supplied actuator at the command point C	3SU1000-1BD10-0AA0
● of supplied empty enclosure	3SU1803-3AA00-0AA1
● of the supplied accessories at the command point B	3SU1900-0BB31-0AT0
Enclosure	
design of the housing	Two-hand operating console with standard components
material of the enclosure	plastic
number of command points	3
color of the enclosure top part	grey
delivery state	
● as a kit	No
● pre-wired on strip terminal	No
fastening method of the enclosure	Horizontal
Actuator	
design of the actuating element	A = mushroom pushbutton / B = EMERGENCY STOP mushroom pushbutton / C = mushroom pushbutton
principle of operation of the actuating element	A = momentary contact / B = latching / C = momentary contact
product feature	
● lockout	No
● staggered switching	No

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color of the actuating element	A = black / B = red / C = black
material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	6
type of unlocking device	A = none / B = rotate to unlock / C = none
Front ring	
product component front ring	Yes
material of the front ring	plastic
color of the front ring	black
Holder	
material of the holder	Plastic
General technical data	
product function	
● positive opening	Yes
● EMERGENCY OFF function	Yes
● EMERGENCY STOP function	Yes
product component stand/pedestal	No
protection class IP	IP66
degree of protection NEMA rating	1, 4X, 12K, indoor use only, 13
shock resistance according to IEC 60068-2-27	sinusoidal half-wave 15 g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 500 Hz: 5 g
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
Net Weight	2.3 kg
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	4
number of NO contacts for auxiliary contacts	2
Connections/ Terminals	
type of electrical connection on enclosure	Cable routing at the rear 2 x M25
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 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
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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, 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	Front plate mounting

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height	185.3 mm
width	469.2 mm
depth	137.4 mm

Accessories

number of backing plates	1
marking of backing plate	NOT-HALT
color of backing plate	Yellow

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

other

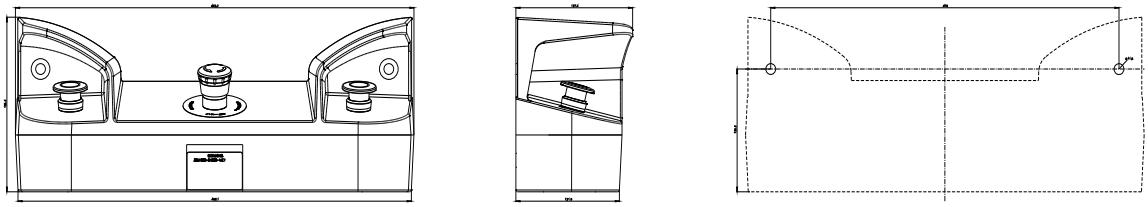
Confirmation

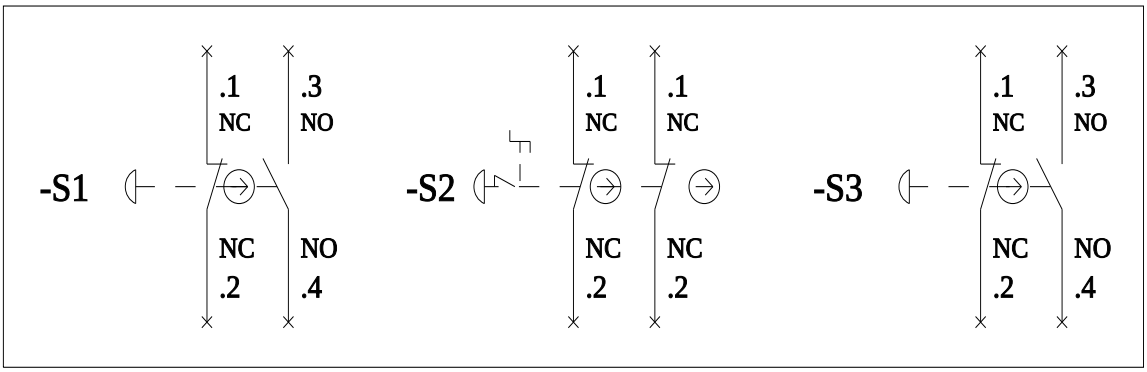
other

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=3SU1803-3NB00-1AE1
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1803-3NB00-1AE1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1803-3NB00-1AE1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1803-3NB00-1AE1&lang=en

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