SIEMENS

Data sheet 3SU1853-3NB00-1AA1

Siemens EcoTech

two-hand operation console for command devices, 22 mm, round, enclosure material metal, enclosure top part gray, 3 command points metal, standard equipment: 2 mushroom pushbuttons black 40 mm, 2x 1 NO+1 NC, screw terminal, 1x EMERGENCY STOP red, 40 mm, 2 NC, screw terminal



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	3SU1050-1BD10-0AA0
● of the supplied actuator at the command point B	3SU1050-1HB20-0AA0
● of the supplied actuator at the command point C	3SU1050-1BD10-0AA0
● of supplied empty enclosure	3SU1853-3AA00-0AA1
● 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	metal
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	metal
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	metal
color of the front ring	silver
Holder	
material of the holder	Metal
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, 2, 3, 3R, 4, 4X, 12, 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
SVHC substance name	Lead CAS-No. 7439-92-1
Net Weight	4.728 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	

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fastening method of modules and accessories	Front plate mounting
height	185.6 mm
width	492.4 mm
depth	159.5 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	0.625 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



other

Confirmation

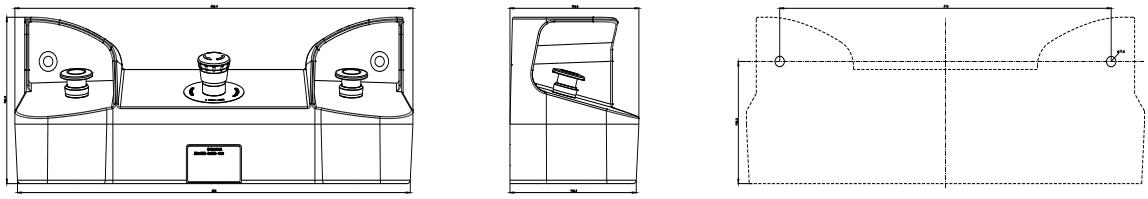
other

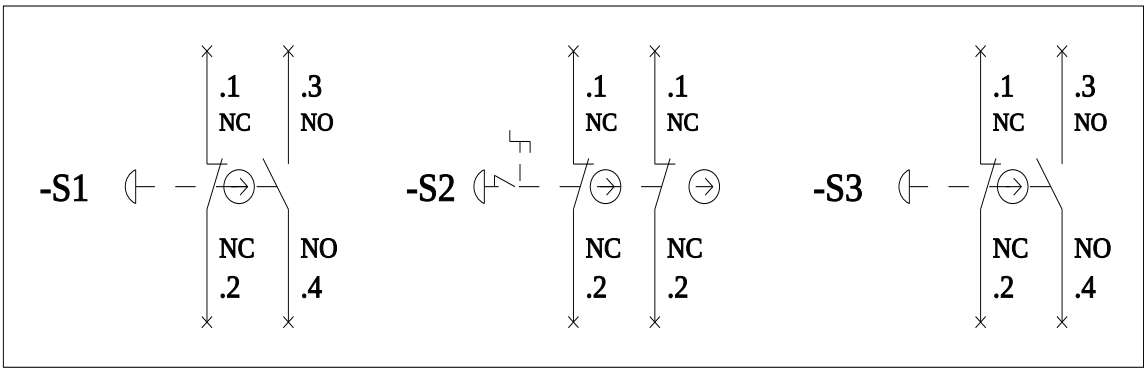


Further information

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=3SU1853-3NB00-1AA1
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1853-3NB00-1AA1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1853-3NB00-1AA1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1853-3NB00-1AA1&lang=en

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