# **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, 2x1NO+1NC, screw terminal, 1 EMERGENCY STOP red, 40 mm, 2 NC, screw terminal, front mounting, with cable cut-outs for metric screw



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
<ul> <li>of supplied contact module at the command point A 1</li> </ul>	3SU1400-1AA10-1CA0
<ul> <li>of supplied contact module at the command point A 3</li> </ul>	3SU1400-1AA10-1BA0
<ul> <li>of supplied contact module at the command point B 1</li> </ul>	3SU1400-1AA10-1CA0
<ul> <li>of supplied contact module at the command point B 3</li> </ul>	3SU1400-1AA10-1CA0
<ul> <li>of supplied contact module at the command point C 1</li> </ul>	3SU1400-1AA10-1CA0
<ul> <li>of supplied contact module at the command point C 3</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
<ul> <li>of the supplied holder at the command point A</li> </ul>	3SU1550-0AA10-0AA0
<ul> <li>of the supplied holder at the command point B</li> </ul>	3SU1550-0AA10-0AA0
<ul> <li>of the supplied holder at the command point C</li> </ul>	3SU1550-0AA10-0AA0
<ul> <li>of the supplied actuator at the command point A</li> </ul>	3SU1000-1BD10-0AA0
<ul> <li>of the supplied actuator at the command point B</li> </ul>	3SU1000-1HB20-0AA0
<ul> <li>of the supplied actuator at the command point C</li> </ul>	3SU1000-1BD10-0AA0
<ul> <li>of supplied empty enclosure</li> </ul>	3SU1803-3AA00-0AA1
<ul> <li>of the supplied accessories at the command point B</li> </ul>	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
<ul> <li>pre-wired on strip terminal</li> </ul>	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	
<ul><li>lockout</li></ul>	No
staggered switching	No
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	
<ul> <li>positive opening</li> </ul>	Yes
<ul> <li>EMERGENCY OFF function</li> </ul>	Yes
<ul> <li>EMERGENCY STOP function</li> </ul>	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 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
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
0-5-4	
Safety related data	
Safety related data proportion of dangerous failures	
	20 %
proportion of dangerous failures	20 % 20 %
proportion of dangerous failures  • with low demand rate according to SN 31920	
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920	20 %
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN	20 % 100 000
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920	20 % 100 000
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions	20 % 100 000
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature	20 % 100 000 100 FIT
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation	20 % 100 000 100 FIT -25 +70 °C
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Product Declaration(EPD)	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes 0.787 kg
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg  0.235 kg
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] after end of life	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg  0.235 kg
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life  Installation/ mounting/ dimensions	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg
proportion of dangerous failures	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg  Front plate mounting
proportion of dangerous failures	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Front plate mounting  185.3 mm
proportion of dangerous failures	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Front plate mounting  185.3 mm  469.2 mm
proportion of dangerous failures	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Front plate mounting  185.3 mm  469.2 mm
proportion of dangerous failures	20 %  100 000  100 FIT  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Front plate mounting  185.3 mm  469.2 mm  137.4 mm
proportion of dangerous failures	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg  Front plate mounting 185.3 mm 469.2 mm 137.4 mm
proportion of dangerous failures	20 % 100 000 100 FIT  -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg  Front plate mounting 185.3 mm 469.2 mm 137.4 mm





Confirmation







General Product Approval

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment



Confirmation







### Further information

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=3SU1803-3NB00-1AE1

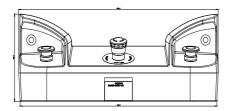
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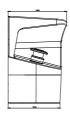
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1803-3NB00-1AE1

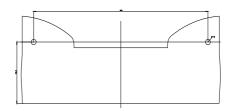
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

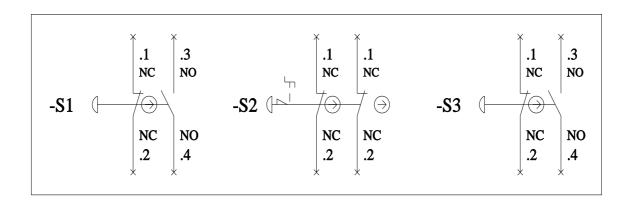
https://support.industry.siemens.com/cs/ww/en/ps/3SU1803-3NB00-1AE1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1803-3NB00-1AE1&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1803-3NB00-1AE1&lang=en</a>









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