## SIEMENS

## Data sheet

## 3SU1100-0AB50-1FA0



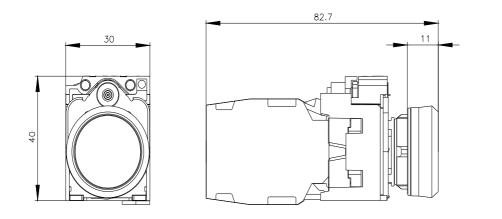
Pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, screw terminal,

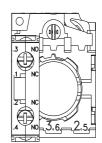
product brand name       SIRUS ACT         product designation       Pushbuttons         design of the product       Complete unit         product line       Plastic, black, 22 mm         manufacturer's article number       SIU1400-1AA10-1FA0         • of supplied contact module at position 1       3SU1500-0AA10-0AA0         • of the supplied holder       3SU1500-0AA10-0AA0         • of the supplied truttor       3SU1000-0A650-0AA0         number of command points       1         Actuator       design of the actuating element         momentary contact type       No         codor of the actuating element       momentary contact type         product extension optional light source       No         outer diameter of the actuating element       plastic         shape of the actuating element       pustic         number of contact modules       1         front ring       Yes         design of the front ring       Yes         design of the front ring       plastic         product function positive opening       Yes         design of the front ring       plastic         product component front ring       plastic         plastic       0         Color of the front ring       plastic				
design of the product       Complete unit         product type designation       3SU1         product line       Plastic, black, 22 mm         manufacturer's article number       -         • of supplied contact module at position 1       3SU1400-0AA10-1EA0         • of the supplied holder       3SU1000-0AA80-0AA00         • of the supplied holder       3SU1000-0AA80-0AA00         • of the supplied holder       3SU1000-0AB80-0AA00         • of the supplied holder       Button, flat         principle of operation of the actuating element       Button, flat         principle of operation gelement       plastic         outer diameter of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         product component front ring       Standard	product brand name	SIRIUS ACT		
product type designation         3SU1           product line         Plastic, black, 22 mm           manufacturer's article number         3SU1400-1AA10-1EA0           • of supplied contact module at position 1         3SU1560-0AA10-0AA0           • of the supplied actuator         3SU1000-0AB60-0AA0           number of command points         1           Actuator         Button, flat           design of the actuating element         momentary contact type           principle of operation of the actuating element         momentary contact type           product extension optional light source         No           color of the actuating element         plastic           shape of the actuating element         plastic           outer diameter of the actuating element         29.45 mm           number of contact modules         1           front ring         Yes           design of the front ring         Yes           design of the front ring         plastic           Display         material of the holder           plastic         plastic           color of the front ring         plastic           material of the holder         Plastic           Display         material of the holder           plastic         color of the front	product designation	Pushbuttons		
product line         Plastic, black, 22 mm           manufacturer's article number         sul1400-1AA10-1EA0           • of the supplied contact module at position 1         sul1400-1AA10-1EA0           • of the supplied actuator         3SU1400-0AA20           • of the supplied actuator         3SU1000-0AB50-0AA0           number of command points         1           Actuator         design of the actuating element         momentary contact type           principle of operation of the actuating element         momentary contact type         momentary contact type           principle of operation of the actuating element         plastic         state         state           color of the actuating element         plastic         state         state         state           shape of the actuating element         plastic         state         state	design of the product	Complete unit		
manufacturer's article number     3SU1400-1AA10-1FAQ       • of supplied contact module at position 1     3SU1550-0AA10-0AAQ       • of the supplied cholder     3SU1550-0AA10-0AAQ       • of the supplied schator     3SU1550-0AA10-0AAQ       number of command points     1       Actuator	product type designation	3SU1		
	product line	Plastic, black, 22 mm		
• of the supplied holder     3SU1550-0AA0_0AA0_0AA0       • of the supplied actuator     3SU1000-0AB50-0AA0       number of command points     1       Actuator     design of the actuating element     Button, flat       product extension optional light source     No       color of the actuating element     blue       material of the actuating element     plastic       shape of the actuating element     plastic       shape of the actuating element     cound       outer diameter of the actuating element     29.45 mm       number of contact modules     1       Front ring     Yes       design of the front ring     Standard       material of the front ring     plastic       color of the front ring     plastic       color of the front ring     Standard       material of the front ring     plastic       color of the front ring     black       Holder     material of the holder       Display	manufacturer's article number			
• of the supplied actuator         2SU1000-0AB50-0AA0           number of command points         1           Actuator	<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1FA0</u>		
number of command points       1         Actuator	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
Actuator       Actuator         design of the actuating element       Button, flat         product extension optional light source       No         color of the actuating element       blue         material of the actuating element       blue         material of the actuating element       plastic         shape of the actuating element       29.45 mm         number of contact modules       1         Front ring       Test         product component front ring       Yes         design of the front ring       plastic         color of the front ring       plastic         color of the front ring       plastic         color of the front ring       plastic         material of the holder       Plastic         Display       0         General tochnical data       product function positive opening         product function positive opening       Yes         produc	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-0AB50-0AA0</u>		
design of the actuating element     Button, flat       principle of operation of the actuating element     momentary contact type       product extension optional light source     No       color of the actuating element     blue       material of the actuating element     plastic       shape of the actuating element     round       outer diameter of the actuating element     29.45 mm       number of contact modules     1       Front ring     Yes       design of the front ring     Standard       material of the noter     plastic       color of the front ring     black       Holder     Plastic       material of the holder     Plastic       Display     0       otter tomponent light source     0       General technical data     1       product component light source     No       insulation voltage rated value     500 V       degree of pollution     3       type of voltage roties concert and voltage     AC/DC       surge voltage resistance rated value     6 kV       protection class IP     IP66, IP67, IP69(IP69K)	number of command points	1		
principle of operation of the actuating element         momentary contact type           product extension optional light source         No           color of the actuating element         blue           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         29.45 mm           number of contact modules         1           Front ring         Yes           design of the front ring         Standard           material of the holder         plastic           color of the front ring         black           Holder         material of the holder           material of the holder         Plastic           Display         0           General technical data         0           product function positive opening         Yes           product function positive opening         Yes           product function positive opening         Yes           product specific rated value         500 V           degree of pollution         3           type of voltage reted value         6 KV           protection class IP         IP66, IP67, IP69(IP69K)	Actuator			
product extension optional light source       No         color of the actuating element       blue         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         design of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       material of the holder         material of the holder       Plastic         Display       0         General technical data       product component light source         product function positive opening       Yes         product onponent light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	design of the actuating element	Button, flat		
product the actuating element       blue         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       plastic         color of the front ring       plastic         material of the holder       Plastic         Display       number of LED modules         number of LED modules       0         General technical data          product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V	principle of operation of the actuating element	momentary contact type		
Imaterial of the actuating element     plastic       shape of the actuating element     round       outer diameter of the actuating element     29.45 mm       number of contact modules     1       Front ring     1       product component front ring     Yes       design of the front ring     Standard       material of the front ring     plastic       color of the front ring     black       Holder     Plastic       material of the holder     Plastic       Display     0       General technical data     0       groduct component light source     No       insulation voltage rated value     500 V       degree of pollution     3       type of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     6 kV       protection class IP     IP66, IP67, IP69(IP69K)	product extension optional light source	No		
shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         design of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Ves         material of the holder       Plastic         Display       0         General technical data       0         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	color of the actuating element	blue		
outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Plastic         material of the holder       Plastic         Display       0         General technical data       0         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	material of the actuating element	plastic		
number of contact modules       1         Front ring       Yes         design of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Plastic         material of the holder       Plastic         Display       0         General technical data       0         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	shape of the actuating element	round		
Front ring       Yes         product component front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Plastic         material of the holder       Plastic         Display       0         General technical data       0         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	outer diameter of the actuating element	29.45 mm		
product component front ring       Yes         design of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       material of the holder         material of the holder       Plastic         Display       0         number of LED modules       0         General technical data       Yes         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	number of contact modules	1		
design of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Plastic         material of the holder       Plastic         Display       0         General technical data       0         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	Front ring			
material of the front ringplasticcolor of the front ringblackHoldermaterial of the holderPlasticDisplay0number of LED modules0General technical data0product function positive openingYesproduct function positive openingYesproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)	product component front ring	Yes		
color of the front ring       black         Holder       material of the holder         material of the holder       Plastic         Display       0         number of LED modules       0         General technical data       0         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	design of the front ring	Standard		
Holder       Plastic         Display       0         number of LED modules       0         General technical data       0         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	material of the front ring	plastic		
material of the holder       Plastic         Display       0         number of LED modules       0         General technical data       0         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	color of the front ring	black		
Display       0         number of LED modules       0         General technical data       7         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	Holder			
number of LED modules       0         General technical data       0         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	material of the holder	Plastic		
General technical data         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	Display			
product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	number of LED modules	0		
product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	General technical data			
insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	product function positive opening	Yes		
degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	product component light source	No		
type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)	insulation voltage rated value	500 V		
surge voltage resistance rated value     6 kV       protection class IP     IP66, IP67, IP69(IP69K)	degree of pollution	3		
protection class IP IP66, IP67, IP69(IP69K)	type of voltage of the operating voltage	AC/DC		
	surge voltage resistance rated value	6 kV		
	protection class IP	IP66, IP67, IP69(IP69K)		
of the terminal IP20, clamping screw tightened	of the terminal	IP20, clamping screw tightened		

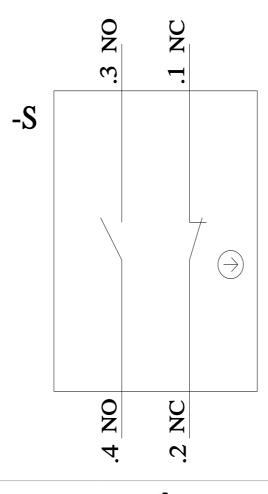
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13			
shock resistance				
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms			
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B			
vibration resistance				
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g			
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B			
operating frequency maximum	3 600 1/h			
mechanical service life (operating cycles) typical	10 000 000			
electrical endurance (operating cycles) typical	10 000 000			
thermal current	10 A			
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			
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			
Power Electronics				
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)			
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	screw terminal			
of modules and accessories	Screw-type terminal			
type of connectable conductor cross-sections				
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)			
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm <sup>2</sup> )			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> )			
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm <sup>2</sup> )			
• for AWG cables	2x (18 14)			
tightening torque of the screws in the bracket	1 1.2 N·m			
tightening torque with screw-type terminals	0.8 0.9 N·m			
Ambient conditions				
ambient temperature				
during operation	-25 +70 °C			
during storage	-40 +80 °C			
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no			
	condensation in operation permitted for all devices behind front panel)			
Environmental footprint				
Environmental Product Declaration(EPD)	Yes			
Global Warming Potential [CO2 eq] total	0.787 kg			
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	-0.015 kg			
Siemens Eco Profile (SEP)	Siemens EcoTech			
Installation/ mounting/ dimensions	front plate mounting			
<ul> <li>fastening method</li> <li>of modules and accessories</li> </ul>	front plate mounting			
	Front plate mounting 40 mm			
height width	40 mm			
	round			
shape of the installation opening	22.3 mm			
positive tolerance of installation diameter	0.4 mm			
mounting height	11 mm			
mounting neight	111000			

installation width		29.5	mm				
installation depth		71.7	mm				
Approvals Certificates							
General Product App	roval						
C C EG-Konf.	UK CA		<u>Confirmation</u>	cULus	EHC		
Test Certificates		Marine / Shipping					
Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	Lloyds Register us	PRS	RINA		
other	Environment						
<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations				
Further information							
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,)							
	Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-0AB50-1FA0						
Cax online generator http://support.automatic	http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB50-1FA0						
	nuals, Certificates, Char siemens.com/cs/ww/en/p	acteristics, FAQs,) s/3SU1100-0AB50-1FA0					

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-0AB50-1FA0&lang=en







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5/17/2024

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