## SIEMENS

## Data sheet

## 3SU1100-0AB30-3FA0



Pushbutton, 22 mm, round, plastic, yellow, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, spring-type terminal,

product brand name         SIRUS ACT           product designation         Pushbuttons           design of the product         Complete unit           product type designation         3SU1           product line         Plastic, black, 22 mm           manufacturer's article number         3SU1400-1AA10-3FA0           • of the supplied contact module at position 1         3SU1400-1AA10-3FA0           • of the supplied actuator         3SU1000-0AB30-0AA0           • of the supplied contact module at position 1         3SU1400-1AA10-3FA0           • of the supplied notifs         1           Actuator         3SU1000-0AB30-0AA0           • of the supplied notifs         1           Actuator         Button, flat           principle of operation of the actuating element         momentary contact type           product streasion optional light source         No           color of the actuating element         plastic           shape of the actuating element         29.45 mm           number of contact modules         1           front ring         plastic           product component front ring         Standard           material of the front ring         plastic           black         0           Ceneral technical data         pro		
design of the product       Complete unit         product type designation       35U1         product time       Plastic, black, 22 mm         manufacturer's article number       3SU1400-1AA10-3FA0         • of the supplied location module at position 1       3SU1400-1AA10-3FA0         • of the supplied location       3SU1500-0AB30-0AA0         • of the supplied location       3SU1500-0AB30-0AA0         • of the supplied location       1         Actuator       design of the actuating element         product extension optional light source       No         color of the actuating element       plastic         product extension optional light source       No         color of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       round         product component front ring       Yes         design of the front ring       Yes         design of the front ring       plastic         tool of the front ring       Yes         design of the front ring       Plastic         Display       number of LED modules       0         General technical data       product function positive opening       Yes         product function positive opening	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Plastic, black, 22 mm           manufacturer's article number         3SU1400-1AA10-3FA0           • of the supplied contact module at position 1         3SU1550-0AA10-0AA0           • of the supplied actuator         3SU1550-0AA10-0AA0           • of the supplied actuator         3SU1550-0AA10-0AA0           • 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         yellow           material of the actuating element         plastic           shape of the actuating element         29.45 mm           number of contact modules         1           Front ring         Yes           product component front ring         Yes           color of the front ring         black           Holder         Plastic           material of the holder         Plastic           product component front ring         black           Holder         Plastic           material of the holder         Plastic           product function positive opening         Yes           product component light source	product designation	Pushbuttons
product line         Plastic, black, 22 mm           manufacturer's article number         3SU1400-1AA10-3EA0           • of the supplied contact module at position 1         3SU1400-0AA00           • of the supplied actuator         3SU1000-0AB30-0AA0           number of command points         1           Actuator         Button, flat           gesign 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         yellow           material of the actuating element         plastic           out diameter of the actuating element         29.45 mm           number of contact modules         1           Front ring         Yes           design of the front ring         Standard           plastic         plastic           color of the front ring         black           Holder         material of the front ring           material of the front ring         black           Holder         Plastic           product component light source         No           insulation voltage rated value         500 V           design of the front ring         black	design of the product	Complete unit
manufacturer's article number       3SU1400-1AA10-3EA0         • of supplied contact module at position 1       3SU1400-0AA0         • of the supplied holder       3SU1400-0AA0         • of the supplied actuator       3SU1000-0AB30-0AA0         number of command points       1         Actuator       design of the actuating element         principle of operation of the actuating element       momentary contact type         product extension optional light source       No         color of the actuating element       yellow         material of the actuating element       plastic         shape 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         color of the front ring       plastic         product component front ring       plastic         color of the front ring       plastic         color of the front ring       plastic         color of the front ring       plastic         poduct function positive opening       Yes         product function positive opening       Yes         product function	product type designation	3SU1
• of supplied contact module at position 1         2SU1400-1AA10-3EA0           • of the supplied holder         3SU1550-0AA10-0AA0           • of the supplied actuator         3SU1000-0A830-0AA0           number of command points         1           Actuator         Button, flat           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         yellow           material of the actuating element         plastic           shape of the actuating element         29.45 mm           number of contact modules         1           Front ring         Standard           product component front ring         Yes           design of the front ring         plastic           color of the front ring         black           Holder         material of the holder           product function positive opening         Yes           product function positive opening         Yes           product function positive opening         Yes           insulation voltage rated value         500 V           design of the contal value         500 V           insulation voltage r	product line	Plastic, black, 22 mm
<ul> <li>of the supplied actuator</li> <li>of the supplied actuator</li> <li>ast/1000-0AB30-0AA0</li> <li>ast/1000-0AB30-0AA0</li> <li>number of command points</li> <li>1</li> <li>Actuator</li> <li>design of the actuating element</li> <li>product extension optional light source</li> <li>No</li> <li>color of the actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>plastic</li> <li>shape of the actuating element</li> <li>plastic</li> <li>outer diameter of the actuating element</li> <li>product component front ring</li> <li>Yes</li> <li>design of the front ring</li> <li>plastic</li> <li>color of the plastic</li> <li>color</li> <li>color the plastic</li></ul>	manufacturer's article number	
• of the supplied actuator     3SU1000-0AB30-0AA0       number of command points     1       Actuator     Button, flat       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     plastic       shape of the actuating element     plastic       shape of the actuating element     z9.45 mm       number of contact modules     1       Front ring     Yes       design of the front ring     Standard       material of the front ring     black       Holder     Plastic       number of LED modules     0       General technical data     product component light source       product component light source     No       insulation noistive opening     Yes       product function positive opening     Yes       product function positive opening     Yes       product omponent 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 NEMA rating     I, 2, 3, 3R, 4, 4X, 12, 13	<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-3FA0</u>
number of command points         1           Actuator	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>
Actuator       Button, flat         principle of operation of the actuating element       momentary contact type         product extension optional light source       No         color of the actuating element       yellow         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       plastic         color of the front ring       plastic         ologenal technical data       product function positive opening         product function positive opening       Yes         product omponent light source       No         insulation voltage rated value       500 V         degree of pollution       3	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-0AB30-0AA0</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         yellow           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	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         yellow           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	Actuator	
product extension optional light source         No           color of the actuating element         yellow           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           gesign of the front ring         plastic           color of the front ring         plastic           color of the front ring         plastic           color of the front ring         plastic           black         black           Holder         Plastic           material of the holder         Plastic           Display         0           General technical data         product component light source           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)           of the terminal         IP20	design of the actuating element	Button, flat
color of the actuating element       yellow         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       product component front ring         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         black       Holder         material of the holder       Plastic         Display       Image of LED modules         o       0         General technical data       Image of pollution         product function positive opening       Yes         product function positive opening       Yes         product function 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)         e of the terminal       IP20         degree of protection NEMA r	principle of operation of the actuating element	momentary contact type
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	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         product component front ring       Yes         design of the front ring       plastic         color 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       9         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage rated value       6 kV         protoction class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	color of the actuating element	yellow
outer diameter of the actuating element29.45 mmnumber of contact modules1Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackHolderMaterial of the holdermaterial of the holderPlasticDisplay0General technical dataproduct 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, SR, 4, 4X, 12, 13	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       material of the holder         Plastic       Plastic         Display       0         General technical data       0         groduct function positive opening       Yes         product function positive opening       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)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	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         general technical data       No         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	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       Black         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)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	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)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	Front ring	
material of the front ringplasticcolor of the front ringblackHolderPlasticmaterial of the holderPlasticDisplay0number of LED modules0General technical data0product 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	product component front ring	Yes
color of the front ring       black         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)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	design of the front ring	Standard
Holdermaterial of the holderPlasticDisplayPlasticnumber of LED modules0General technical data0product 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	material of the front ring	plastic
material of the holderPlasticDisplayPlasticnumber of LED modules0General technical data0product 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	black
Displaynumber of LED modules0General technical dataproduct 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	Holder	
number of LED modules0General technical dataVesproduct 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	material of the holder	Plastic
General technical dataproduct 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	Display	
product 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	number of LED modules	0
product 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	General technical data	
protection voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	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)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	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)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	insulation voltage rated value	500 V
surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13	degree of pollution	3
protection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	type of voltage of the operating voltage	AC/DC
• of the terminal     IP20       degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13	surge voltage resistance rated value	6 kV
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	protection class IP	IP66, IP67, IP69(IP69K)
	of the terminal	IP20
shock resistance	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 (switching cycles) typical	10 000 000			
electrical endurance (switching 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	spring-loaded terminals			
of modules and accessories	Spring-type terminal			
type of connectable conductor cross-sections	- Spring-type terminal			
solid without core end processing	$2v (0.25 \pm 1.5 \text{ mm}^2)$			
	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²)			
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core and processing</li> </ul>				
<ul> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul>	2x (0.25 1.5 mm <sup>2</sup> )			
	2x (24 16) 1 1.2 N·m			
tightening torque of the screws in the bracket	1 1.2 N'III			
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)			
	condensation in operation permitted for all devices benind from paner)			
Installation/ mounting/ dimensions				
fastening method	front plate mounting			
of modules and accessories	Front plate mounting			
height	40 mm			
width	30 mm			
shape of the installation opening	round			
mounting diameter	22.3 mm			
positive tolerance of installation diameter	0.4 mm			
mounting height	11 mm			
installation width	29.5 mm			
installation depth	71.7 mm			
Certificates/ approvals				
General Product Approval Declaration of Conformity				

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Declaration of Conformity	Test Certificates		Marine / Shipping				
CE EG-Konf.	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyd's Register urs	PRS		
Marine / Shipping		other					
RINA	RMRS	<u>Confirmation</u>	Environmental Con- firmations				
Further information							
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=3SU1100-0AB30-3FA0							
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB30-3FA0							
	lanuals, Certificates, C ry.siemens.com/cs/ww/e						

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