## **SIEMENS**

## **Data sheet**



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 110 V AC, screw terminal, with laser labeling, upper case

product brand name   SIRIUS ACT		
design of the product product type designation product line product line product line plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 1 sulfago-1AA10-1FA0 sulfago-1AA0 of supplied LED module of the supplied LED module of the supplied actuator sulfago-0AA0 of the supplied actuator sulfago-0AA0 of the supplied actuator sulfago-0AA0 sulfago-0AA0 of the supplied actuator design of the actuating element principle of operation of the actuating element product extension optional light source very light actuating element product extension optional light source very light actuating element product extension optional light source very light actuating element plastic shape of the actuating element vourd diameter of the actuating element product diameter of the actuating element product component front ring very design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic Display number of LED modules 1 Ceneral technical data product component light source yes insulation voltage rated value surge voltage of the operating voltage surge voltage resistance rated value product component class IP 1P60, IP67, IP69(IP69K) 1P20, clamping screw tightened	product brand name	SIRIUS ACT
product type designation   Plastic with metal front ring, matt, 22 mm	product designation	Illuminated pushbuttons
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number   of supplied contact module at position 1  SSU1400-1AA10-1FA0  SSU1401-1BC20-1AA0  SSU1401-1BC20-1AA0  SSU1401-1BC20-1AA0  The supplied contact module at position 1  SSU1550-0AA10-0AA0  The supplied contact module assu1550-0AA10  The supplied	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of supplied LED module  of the supplied actuator  substance of the supplied actuator  substance of the supplied actuator  of the supplied actuator  substance of the supplied actuator  substance of the supplied actuator  design of the actuating element  principle of operation of the actuating element  principle of operation of the actuating element  product extension optional light source  color of the actuating element  material of the actuating element  outer diameter of the actuating element  outer diameter of the actuating element  analysis of the actuating element  number of contact modules  1  Front ring  product component front ring  design of the front ring  Metal, matt  color of the front ring  Metal, matt  color of the front ring  Metal, matt  color of the front positive opening  product function positive opening  product function positive opening  product function positive opening  product function positive opening  yes  function as a substance of the corrections of the operating voltage  surge voltage restance rated value  4 kV  protection class IP  leafs, IPSO, IPSO(IPSOK)  leafs of the terminal  SSU1031-IAAIO  SSU1031	product type designation	3SU1
of supplied LED module of supplied LED module of the supplied holder supplied LED module of the supplied holder of the supplied holder of the supplied acutator  Actuator  design of the acutating element principle of operation of the actuating element momentary contact type product extension optional light source yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element acutating element plastic shape of the actuating element acutating element plastic shape of the actuating element acutating element plastic shape of the actuating element plastic plast	product line	Plastic with metal front ring, matt, 22 mm
of supplied LED module of the supplied holder 3SU1550-0AA10-0AA0 supplied holder supplied actuator number of command points 1  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element parking of the actuating element marking of the actuating element number of contact modules 1  Front ring product component front ring design of the front ring material of the front ring material of the holder material of the holder  Display number of LED modules 1  General technical data product component light source Yes  Saludard  Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Display number of LED modules 1  General technical data product component light source Yes Insulation voltage rated value degree of pollution 3  type of voltage of the operating voltage surge voltage resistance rated value  of the terminal Positic Display  product cases IP  i Pie6e, IP67, IP69(IP66K) i Pie20, clamping screw tightened	manufacturer's article number	
of the supplied holder of the supplied actuator saturost number of command points  1  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element product extension optional light source red material of the actuating element pastic shape of the actuating element product extension optional light source red material of the actuating element plastic shape of the actuating element plastic shape of the actuating element product cauting element product duting element Any inscription, text in upper case number of contact modules 1  Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the front ring plastic  Standard material of the holder  Display number of LED modules 1  General technical data product function positive opening product component light source results in upper case product omponent light source Yes product component light source Yes insulation voltage rated value degree of pollution 3  type of voltage of the operating voltage surge voltage resistance rated value of the terminal Product profice of the terminal Profit	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1FA0
Of the supplied actuator  number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element poduct extension optional light source color of the actuating element plastic shape of the actuating element pound outer diameter of the actuating element parking of the actuating element number of contact modules  1  Front ring product component front ring design of the front ring color of the front ring Metal, matt color of the front ring material of the holder plastic  Display number of LED modules 1  General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP I P66, IP67, IP69(IP69K) I P20, clamping screw tightened	<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BC20-1AA0
number of command points  Actuator  design of the actuating element Button, flat principle of operation of the actuating element red momentary contact type  product extension optional light source Yes  color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Any inscription, text in upper case number of contact modules 1  Front ring product component front ring Yes design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Sand gray  Holder material of the holder Plastic  Display number of LED modules 1  General technical data product function positive opening Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value  • of the terminal	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
design of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element red material of the actuating element plastic shape of the actuating element plastic shape of the actuating element arrivating of the actuating element Any inscription, text in upper case number of contact modules 1  Front ring product component front ring Yes design of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder  Display number of LED modules 1  General technical data product component light source Yes insulation voltage rated value 320 V  degree of pollution yellow large resistance rated value 4 kV protection class IP e of the terminal iP20, clamping screw tightened	<ul> <li>of the supplied actuator</li> </ul>	3SU1031-0AB20-0AA0
design of the actuating element Button, flat  principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Any inscription, text in upper case number of contact modules 1  Front ring product component front ring Yes design of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic  Display number of LED modules 1  General technical data product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 1P20, clamping screw tightened	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element product extension optional light source shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules 1  Front ring product component front ring design of the front ring Metal, matt color of the front ring material of the front ring material of the front ring Plastic  Display number of LED modules 1  General technical data product component light source Yes insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value e of the terminal Plast, Pe6, IP67, IP69(IP69K) IP20, clamping screw tightened	Actuator	
product extension optional light source  color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element arking of the actuating element Any inscription, text in upper case number of contact modules  1  Front ring product component front ring design of the front ring sand gray  Holder material of the holder  Display number of LED modules  1  General technical data product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal  Pe6, IP67, IP69(IP69K)  I P66, IP67, IP69(I	design of the actuating element	Button, flat
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element narking of the actuating element narking of the actuating element Any inscription, text in upper case number of contact modules  1  Front ring product component front ring design of the front ring Standard material of the front ring sand gray  Holder material of the holder  Display number of LED modules 1  General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3  type of voltage resistance rated value  • of the terminal  Plastic	principle of operation of the actuating element	momentary contact type
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules  1  Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder  Metal, matt color of the front ring material of the holder  Plastic  Display number of LED modules  1  General technical data product component light source insulation voltage rated value surge voltage of the operating voltage surge voltage resistance rated value  4 kV protection class IP over the voltage rate voltage surgers of the server tight source tight source tight source tight source tight source tight source surge voltage resistance rated value  1 Ple6, IP67, IP69(IP69K) 1 IP20, clamping screw tightened	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules  Front ring product component front ring design of the front ring Metal, matt color of the front ring material of the holder material of the holder  Plastic  Display number of LED modules  1  General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value surge voltage resistance rated value of the terminal  Place, IFA, IFA, IFA, IFA, IFA, IFA, IFA, IFA	color of the actuating element	red
outer diameter of the actuating element marking of the actuating element number of contact modules  1  Front ring product component front ring design of the front ring material of the front ring material of the holder Display number of LED modules  1  General technical data product component light source insulation voltage rated value surge voltage of the operating voltage surge voltage resistance rated value  4 kV protection class IP  • of the terminal  Any inscription, text in upper case  Any inscription	material of the actuating element	plastic
marking of the actuating element number of contact modules  1  Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the holder  Metal material of the holder Plastic  Display  number of LED modules 1  General technical data product function positive opening product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value 4 kV protection class IP of the terminal  Any inscription, text in upper case 1  Any inscription, text in upper case 1  Text in upper case 1  Yes  1  Yes  Plastic  1  1  Canceral technical data  yes  product component light source insulation voltage rated value 4 kV  protection class IP of the terminal  1 P20, clamping screw tightened	shape of the actuating element	round
number of contact modules  Front ring  product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  material of the holder  Plastic  Display  number of LED modules  foeneral technical data  product function positive opening product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value  yof the terminal  1 Pe66, IP67, IP69(IP69K) of the terminal	outer diameter of the actuating element	29.45 mm
product component front ring design of the front ring Metal, matt color of the front ring material of the holder material of the holder  material of the holder  Plastic  Display number of LED modules 1  General technical data product function positive opening product component light source insulation voltage rated value  degree of pollution 3  type of voltage of the operating voltage surge voltage resistance rated value  of the terminal  Pyes Standard Metal, matt sand gray  Holder  Plastic  1  General technical data  yes sinculation positive opening Yes sinsulation voltage rated value 320 V  degree of pollution 3  type of voltage of the operating voltage  AC/DC surge voltage resistance rated value 4 kV  protection class IP of the terminal P20, clamping screw tightened	marking of the actuating element	Any inscription, text in upper case
product component front ring  design of the front ring  material of the holder  material of the holder  Plastic  Display  number of LED modules  1  General technical data  product function positive opening  product component light source  insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  Yes  Standard  Metal, matt  Standard  Plastic  1  General technical data  Yes  insulation  Yes  insulation voltage rated value  320 V  degree of pollution  3  type of voltage of the operating voltage  AC/DC  surge voltage resistance rated value  Profe, IP69, IP69, IP69K)  of the terminal	number of contact modules	1
design of the front ring material of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder  Plastic  Display number of LED modules 1  General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3  type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal  Standard Metal, matt Metal, matt sand gray  Metal, matt sand gray  Metal, matt sand gray  Heating  Metal, matt	Front ring	
material of the front ring color of the front ring sand gray  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening product component light source insulation voltage rated value  320 ∨  degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value  protection class IP of the terminal  Metal, matt sand gray  Metal, matt sand gray  Metal, matt sand gray  Plastic  1  Conception  A C/DC	product component front ring	Yes
color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening  yes  product component light source  yes  insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  plastic  Plastic  Plastic  Plastic  AC/DC  Yes  320 V  4 kV  Protection class IP  IP66, IP67, IP69(IP69K)  of the terminal  IP20, clamping screw tightened	design of the front ring	Standard
material of the holder  Plastic  Display  number of LED modules  1  General technical data  product function positive opening  yes  product component light source  yes  insulation voltage rated value  320 V  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP    IP66, IP67, IP69(IP69K)    of the terminal    IP20, clamping screw tightened	material of the front ring	Metal, matt
material of the holder Plastic   Display 1   General technical data Yes   product function positive opening Yes   product component light source Yes   insulation voltage rated value 320 V   degree of pollution 3   type of voltage of the operating voltage AC/DC   surge voltage resistance rated value 4 kV   protection class IP IP66, IP67, IP69(IP69K)   of the terminal IP20, clamping screw tightened	color of the front ring	sand gray
number of LED modules  1  General technical data  product function positive opening Yes  product component light source Yes  insulation voltage rated value 320 V  degree of pollution 3  type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 4 kV  protection class IP IP66, IP67, IP69(IP69K)  ● of the terminal IP20, clamping screw tightened	Holder	
number of LED modules  General technical data  product function positive opening	material of the holder	Plastic
product function positive opening product component light source product component light source insulation voltage rated value 320 V  degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value  protection class IP   IP66, IP67, IP69(IP69K)   ● of the terminal   IP20, clamping screw tightened	Display	
product function positive opening  product component light source  insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  Yes  Yes  320 V  AC/DC  4 kV  Protection class IP  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	number of LED modules	1
product component light source  insulation voltage rated value  320 V  degree of pollution  3 type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  Peo, clamping screw tightened	General technical data	
insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  insulation voltage rated value  AC/DC  4 kV  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	product function positive opening	Yes
degree of pollution     3       type of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     4 kV       protection class IP     IP66, IP67, IP69(IP69K)       ● of the terminal     IP20, clamping screw tightened	product component light source	Yes
type of voltage of the operating voltage  surge voltage resistance rated value  4 kV  protection class IP  of the terminal  IP20, clamping screw tightened	insulation voltage rated value	320 V
surge voltage resistance rated value  4 kV  protection class IP  • of the terminal  IP20, clamping screw tightened	degree of pollution	3
protection class IP  of the terminal  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	type of voltage of the operating voltage	AC/DC
• of the terminal IP20, clamping screw tightened	surge voltage resistance rated value	4 kV
, , , ,	protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	of the terminal	IP20, clamping screw tightened
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13

shock resistance	
• according to IEC 60068-2-27	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	3 000 000
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 mÅ)
Supply voltage	
type of voltage of the supply voltage of the light source	AC
supply voltage of the light source at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	110 V
<ul> <li>at 60 Hz rated value</li> </ul>	110 V
Control circuit/ Control	
inrush current of LED module maximum	3 A
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-type terminals
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 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)
• 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
Lamp	
type of light source	LED
color of the light source	red
light intensity	450 1 120 mcd
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
60721	operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
fastening method	
rasterning method	front plate mounting
of modules and accessories	front plate mounting Front plate mounting
of modules and accessories	Front plate mounting
of modules and accessories     height	Front plate mounting 40 mm

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	

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1133-0AB20-1FA0-Z Y11

Cax online generator

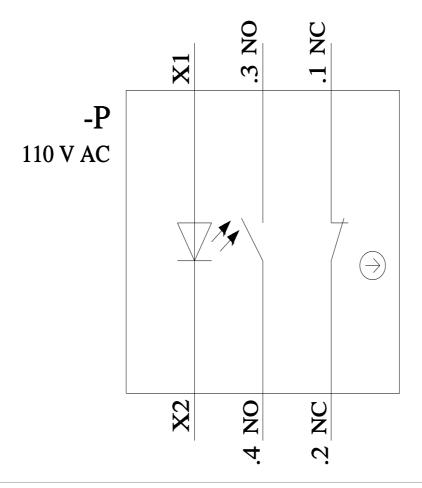
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1133-0AB20-1FA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1133-0AB20-1FA0-Z Y11

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1133-0AB20-1FA0-Z Y11&lang=en



last modified: 1/26/2022

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

A6X30144081