## SIEMENS

## Data sheet

## 3SU1133-0AB30-1BA0-Z Y15



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, yellow, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 110 V AC, screw terminal, with laser labeling, upper case and lower case, Always upper case at the beginning of the word

product brand name         SIRUS ACT           product designation         Illuminated pushbuttons           design of the product         Complete unit           product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         -           • of supplied contact module at position 1         3SU1400-1AA10-1BA0           • of the supplied blobder         3SU10310AB30-0A40           • of the supplied actuator         3SU10310AB30-0A40           • of the actuating element         Button, flat           principte of operation of the actuating element         momentary contact type           product extension optional light source         Yes           color of the actuating element         yellow           material of the actuating element         yellow           shape of the actuating element         gustom           outer diameter of the actuating element         coustom zeo labeling, text in lower case / capital letters, all words start with capital letters           number of contact modules         1           front ring         Yes           outer diameter of the actuating element         coustomized labeling, text in lower case / capital letters, all words start with capital letters           number of contact modules         1		
design of the product         Complete unit           product type designation         38U1           product time         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         38U1400-1AA10-1BA0           • of supplied LED module         38U1410-1AA10-1BA0           • of the supplied Action totule         38U1031-0A82-0AA0           • of the supplied actuator         38U1031-0A82-0AA0           • of the supplied actuator         38U1031-0A82-0AA0           number of command points         1           Actuator         38U1031-0A82-0AA0           principle of operation of the actuating element         momentary contact type           product extension optional light source         Yes           color of the actuating element         yellow           material of the actuating element         pastic           shape of the actuating element         29.45 mm           marking of the actuating element         20.45 mm           product component front ring         Standard           material of the front ring         Yes           design of the front ring         Yes           design of the front ring         Standard           material of the front ring         Standard           material of the front ring         Standard	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         SSU1400-16A10-16A0           • of supplied contact module at position 1         SSU1401-16C30-1AA0           • of the supplied holder         SSU1550-9AA10-9AA0           • of the supplied dutor         SSU1550-9AA10-9AA0           • of the supplied dutor         SSU1560-9AA10-9AA0           number of command points         1           Actuator         design of the actuating element           principle of operation of the actuating element         momentary contact type           principle of operation of the actuating element         yellow           material of the actuating element         yellow           material of the actuating element         29.45 mm           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         Standard           material of the holder         Plastic           Display         material of the holder           Display         material of the holder           Display         1	product designation	Illuminated pushbuttons
product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number         SSU1400-1AA10-1EA0           • of supplied LED module         SSU1400-1AA10-1EA0           • of supplied LED module         SSU1550-0AA10           • of the supplied holder         SSU1550-0AA10           • of the supplied bolder         SSU1550-0AA0           • of the supplied bolder         SSU1550-0AA0           • of the supplied bolder         SSU1550-0AA0           • of the scluating element         Button, flat           principle of operation of the actuating element         yellow           material of the actuating element         yellow           marking of the actuating element         29.45 mm           cubro of the actuating element         Cubromized labeling, text in lower case / capital letters, all words start with capital letters           number of contact modules         1           Front ring         Yes           product component front ring         Standard           material of the front ring         Metal, matt           color of the front ring         No	design of the product	Complete unit
manufacturer's article number     SU1400-1AA10-1BA0       • of supplied outact module at position 1     SU1400-1AA10-1BA0       • of the supplied LED module     SU1401-1BC30-1AA0       • of the supplied actuator     SU131-0AB30-0AA0       • of the supplied actuator     SU131-0AB30-0AA0       • of the supplied noder     SU1031-0AB30-0AA0       • of the actuating element     Button, flat       principle of operation of the actuating element     momentary contact type       principle of actuating element     yellow       material of the actuating element     round       outer diameter of the actuating element     29.46 mm       number of contact modules     1 <b>Front ing</b> Standard       matrial of the fort ring     Yes       design of the fort ring     Standard       material of the holder     Plastic	product type designation	3SU1
	product line	Plastic with metal front ring, matt, 22 mm
• of supplied LED module         3SU1401-1BC30-1AA0           • of the supplied holder         3SU1550-0AA10-0AA0           • of the supplied actuator         3SU1031-0B30-0AA0           number of command points         1           Actuator         actuator           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         yellow           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         customized labeling, text in lower case / capital letters, all words start with capital letters           number of contact modules         1           Front ring         Yes           design of the front ring         Yes           design of the front ring         standard           material of the holder         Plastic           Display         number of LED modules           number of LED modules         1           General technical data         grave           product component front ring         Yes           design of the front ring         sand gray	manufacturer's article number	
• of the supplied holder         3SU1550-0AA10-0AA0           • of the supplied actuator         3SU1031-0AB30-0AA0           number of command points         1           Actuator         assign 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         yellow           material of the actuating element         plastic           shape of the actuating element         29.45 mm           outer diameter of the actuating element         29.45 mm           marking of the actuating element         Customized labeling, text in lower case / capital letters, all words start with capital letters           number of contact modules         1           Front ring         Yes           design of the front ring         Kes           design of the front ring         Metal, matt           color of the front ring         Metal, matt           color of the front ring         Image: Standard           material of the holder         Plastic           Display         Image: Standard           material of the front ring         Standard           material of the holder         Plastic           Display         Image: S	<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
• of the supplied actuator       3SU1031-0AB30-0AA0         number of command points       1         Actuator	<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BC30-1AA0</u>
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       Yes         color of the actuating element       yellow         material of the actuating element       pound         outer diameter of the actuating element       round         outer diameter of the actuating element       Coustomized labeling, text in lower case / capital letters, all words start with capital letters         number of contact modules       1         front ring       Yes         design of the front ring       Standard         material of the front ring       Standard         material of the holder       Plastic         Display       material of the holder         Display       material of the holder         Display       I         number of LED modules       1         General technical data       Yes         product function positive opening       No         product function positive opening       Yes         insulation voltage rated value       320 V         degree of pollution       3         type of voltage	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>
Actuator       Button, flat         design of the actuating element       momentary contact type         product extension optional light source       Yes         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         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of contact modules       1         Front ring       Yes         design of the front ring       Yes         design of the front ring       Standard         material of the holder       Plastic         Display       material of the holder         product function positive opening       No         product function positive opening       3         type of voltage rated value       320 V         degree of pollution       3         type of voltage resistance rated value       4 kV         protection class IP       IP66, IP67, IP69(IP69K)     <	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1031-0AB30-0AA0</u>
design of the actuating element     Button, flat       principle of operation of the actuating element     momentary contact type       product extension optional light source     Yes       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       marking of the actuating element     Customized labeling, text in lower case / capital letters, all words start with capital letters       number of contact modules     1       Front ring     Yes       product component front ring     Yes       design of the front ring     Standard       material of the holder     Plastic       Display        number of LED modules     1       General technical data     product component light source       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     4KV       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         Yes           color of the actuating element         yellow           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         round           outer diameter of the actuating element         29.45 mm           marking of the actuating element         copital letters           number of contact modules         1           Front ring         Yes           design of the front ring         Standard           material of the holder         Plastic           Display            number of LED modules         1           General tochnical data         product component light source           product function positive opening         No           product function positive opening         Sa           type of voltage of the oper	Actuator	
product extension optional light source     Yes       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       marking of the actuating element     Customized labeling, text in lower case / capital letters, all words start with capital letters       number of contact modules     1       Front ring     Yes       design of the front ring     Standard       material of the front ring     Standard       material of the holder     Plastic       Display     number of LED modules       number of LED modules     1       General tochnical data     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)	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         marking of the actuating element       29.45 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of contact modules       1         Front ring       Yes         gesign of the front ring       Standard         material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         Display       number of LED modules         number of LED modules       1         General technical data       Yes         product component light source       Yes         insulation voltage rated value       320 V         degree of pollution       3         (type of voltage of the operating voltage       AC/DCC         surge voltage resistance rated value       4 kV         protection class IP       IP66, IP67, IP69(IP69K)	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       marking of the actuating element     Customized labeling, text in lower case / capital letters, all words start with capital letters       number of contact modules     1       Front ring     Yes       design of the front ring     Standard       material of the front ring     Metal, matt       color of the front ring     Metal, matt       color of the front ring     Metal, matt       biolder     material of the holder       Display     I       number of LED modules     1       general technical data     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)	product extension optional light source	Yes
shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of contact modules       1         Front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         Display       I         number of LED modules       1         general technical data       Yes         product function positive opening       No         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)	color of the actuating element	yellow
outer diameter of the actuating element         29.45 mm           marking of the actuating element         Customized labeling, text in lower case / capital letters, all words start with capital letters           number of contact modules         1           Front ring         Yes           design of the front ring         Standard           material of the front ring         Metal, matt           color of the front ring         sand gray           Holder         Plastic           Display         1           general technical data         1           groduct component light source         Yes           insulation voltage rated value         320 V           desgre 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)	material of the actuating element	plastic
marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of contact modules       1         Front ring       Yes         gesign of the front ring       Standard         material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         Display       1         number of LED modules       1         general technical data       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       IP69(IP69K)	shape of the actuating element	round
capital letters       number of contact modules     1       Front ring     Front ring       product component front ring     Yes       design of the front ring     Standard       material of the front ring     Metal, matt       color of the front ring     sand gray       Holder     Imaterial of the holder       Display     Plastic       Display     1       General technical data     Imaterial of fue opening       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)	outer diameter of the actuating element	29.45 mm
Front ring       Yes         product component front ring       Standard         material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         material of the holder       Plastic         Display       1         number of LED modules       1         general technical data       Yes         product function positive opening       No         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)	marking of the actuating element	
product component front ring       Yes         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       Plastic         Display       1         General technical data       read         product function positive opening       No         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)	number of contact modules	1
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       Plastic         Display       1         General technical data       1         product function positive opening       No         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       4 kV         protection class IP       IP66, IP67, IP69(IP69K)	Front ring	
material of the front ring       Metal, matt         color of the front ring       sand gray         Holder       Plastic         material of the holder       Plastic         Display       number of LED modules       1         General technical data       product function positive opening       No         product function positive opening       No       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	product component front ring	Yes
color of the front ring       sand gray         Holder       Plastic         material of the holder       Plastic         Display       1         number of LED modules       1         General technical data       1         product function positive opening       No         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)	design of the front ring	Standard
Holder       Plastic         Display       1         number of LED modules       1         General technical data       1         product function positive opening       No         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         IP66, IP67, IP69(IP69K)       IP69(IP69K)	material of the front ring	Metal, matt
material of the holder       Plastic         Display       1         number of LED modules       1         General technical data       1         product function positive opening       No         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)	color of the front ring	sand gray
Display         number of LED modules       1         General technical data       1         product function positive opening       No         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)	Holder	
number of LED modules       1         General technical data	material of the holder	Plastic
General technical data         product function positive opening       No         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)	Display	
product function positive opening       No         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)	number of LED modules	1
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)	General technical data	
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)	product function positive opening	No
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)	product component light source	Yes
type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66, IP67, IP69(IP69K)	insulation voltage rated value	320 V
surge voltage resistance rated value     4 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	4 kV
• of the terminal IP20	protection class IP	IP66, IP67, IP69(IP69K)
	• of the terminal	IP20

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	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
contact renability	(5  V, 1  mA)
Supply voltage	
type of voltage of the supply voltage of the light source	AC
supply voltage of the light source at AC	
• at 50 Hz rated value	110 V
• at 60 Hz rated value	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	0
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	Sciew-type terminal
	$2x/(0.5 - 0.75 \text{ mm}^2)$
solid with core end processing     solid without core and processing	$2x (0.5 \dots 0.75 \text{ mm}^2)$
<ul> <li>solid without core end processing</li> <li>finally stranded with core and 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> <li>for AWG cables</li> </ul>	2x (1,0 1,5 mm <sup>2</sup> )
	2x (18 14)
tightening torque of the screws in the bracket	11.2 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	yellow
light intensity	900 1 400 mcd
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, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
fastening method	front plate mounting
<ul> <li>of modules and accessories</li> </ul>	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	49.7 mm
Certificates/ approvals	

Further information

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=3SU1133-0AB30-1BA0-Z Y15

Cax online generator

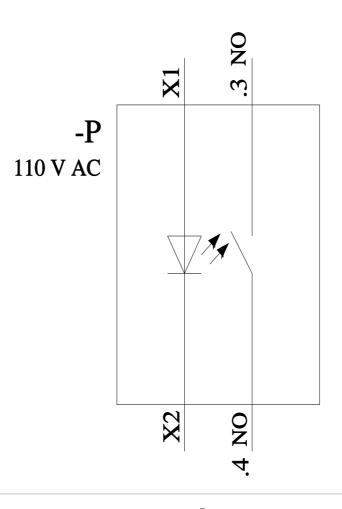
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1133-0AB30-1BA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1133-0AB30-1BA0-Z Y15

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1133-0AB30-1BA0-Z Y15&lang=en



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