## SIEMENS

## Data sheet

## 3SU1100-0AB40-1BA0-Z Y15



Pushbutton, 22 mm, round, plastic, green, pushbutton, flat, momentary contact type, with holder 1 NO, screw terminal, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product brain name         SirkUS AC1           product brain name         Pushbutons           designation         Pushbutons           product type designation         SiXU 1           product type designation         SiXU 1           product type designation         SiXU 1           product the         Pisatic, black, 22 mm           manufacturer's article number         • of supplied contact module at position 1           • of the supplied holder         3SU1400-1AA10-1BAQ           • of the supplied actuator         3SU100-0AB40-0AAQ           • of the supplied actuator         3SU100-0AB40-0AAQ           • of the supplied actuator         3SU100-0AB40-0AAQ           • of the supplied actuator         SU100-0AB40-0AAQ           • of the supplied bolder         SU100-0AB40-0AAQ           • of the actuating element         Button, flat           principle of operation of the actuating element         momentary contact type           product extension aptional light source         No           color of the actuating element         plastic           outer diameter of the actuating element         plastic           number of contact modules         1           Front ting         Standard           product functing         Standard	and the second second	
design of the product       Complete unit         product type designation       35U1         product line       Plastic, black, 22 mm         manufacturer's article number       SU1400-1AA10-1BA0         • of supplied contact module at position 1       35U1500-0AA10-0AA0         • of the supplied holder       3SU1500-0AA40-0AA0         number of command points       1         Actuator       3SU1000-0A840-0AA0         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       green         material of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       29.45 mm         material of the actuating element       29.45 mm         marking of the actuating element       29.45 mm         material of the not ring       Standard         product component front ring       Yes         design of the front ring       Standard         plastic       Cocor of the front ring       plastic         color of the fond ring       black         Holder       No	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Plastic, black, 22 mm           manufacturer's article number         3SU1400-1AA10-1BA0           • of supplied contact module at position 1         3SU1550-0AA10-0AA0           • of the supplied holder         3SU1000-0AB40-0AA0           • of the supplied actuator         3SU1000-0AB40-0AA0           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         green           material of the actuating element         pastic           shape of the actuating element         Z9.45 mm           outer diameter of the actuating element         Z9.45 mm           marking of the actuating element         Z9.45 mm           outer diameter of the actuating element         Z9.45 mm           outer domonent front ring         Yes           design of the front ring         Standard           material of the front ring         plastic           color of the front ring         plastic           block         Display           material of the holder         Plastic </th <th></th> <th></th>		
product line         Plastic, black, 22 mm           manufacturer's article number         supplied contact module at position 1         SSU1400-1AA10-1BA0           • of supplied contact module at position 1         SSU1550-0AA10-0AA0           • of the supplied actuator         SSU1000-0AB40-0AA0           • of the supplied actuator         SSU1000-0AB40-0AA0           number of command points         1           Actuator         Month actuating element           principle of operation of the actuating element         momentary contact type           product extension optional light source         No           color of the actuating element         green           marking of the actuating element         round           outer diameter of the actuating element         Z2.45 mm           marking of the actuating element         Z2.45 mm           mumber 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         umber of LED modules           color of the front ring         Plastic           Display         number of LED modules           number of LED modules         0<	·	
manufacturer's article number       3501400-1AA10-1BA0         • of supplied contact module at position 1       3501550-0AA10-0AA0         • of the supplied cluator       3501550-0AA10-0AA0         • of the supplied actuator       3501000-0AB40-0AA0         number of command points       1         Actuator       asturn 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       green         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         number of contact modules       1         Front ring       Yes         design of the front ring       Yes         design of the front ring       plastic         color of the front ring       plastic         Display       material of the holder         Display       number of LED modules         number of LED modules       0         General tochnical data       product function positive opening         product function positive opening       No         produc		
of supplied contact module at position 1         SSU1400-1AA10-1BA0         SU1550-0AA10-0AA0         SU1550-0AA10-0AA0         SU11000-0AA00         SU11000-0AA00-0AA0         SU11000-0AA0         SU1100-0AA0         SU110-0AA0         SU1		Plastic, black, 22 mm
of the supplied holder         3SU1550-0AA10-0AA0         3SU1000-0AB40-0AA0         3SU1000-0AB40-0AA0         active supplied actuator         actuator         actuator         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         No         color of the actuating element         prese         material of the actuating element         prese         art dia of the actuating element         product diameter of the actuating element         product active actuating element         product active actuating element         product component front ring         product component front ring         plastic         color of the front ring         plastic         color of the front ring         praduct active actuating element         product component front ring         praduct active active active active         active active active         active active active         active active         active active         active         active active active         active         active active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active         active		
• of the supplied actuator       3SU1000-0AB40-0AA0         number of command points       1         Actuator       Button, flat         principle of operation of the actuating element       momentary contact type         product extension optional light source       No         color of the actuating element       green         material 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       Customized labeling, text in lower case / capital letters, all words start with capital letters         number of contact modules       1         Front ring       Yes         geign of the front ring       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Plastic         Display       0         General technical data       product function positive opening         product component light source       No         nisulation voltage rated value       500 V         design of the foot ring       3         type of voltage of the operating voltage       Ac/DC         surge voltage of the operating voltage       Ac/DC<		
number of command points       1         Actuator       Edition         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       green         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       Standard         material of the front ring       plastic         color of the front ring       black         Holder       Plastic         Display       0         numbor of LED modules       0         General technical data       product component light source         product function positive opening       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC		<u>3SU1550-0AA10-0AA0</u>
Actuator         design of the actuating element       Button, flat         product extension optional light source       No         color of the actuating element       green         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         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         Display       0         General technical data       0         greduet function positive opening       No         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	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-0AB40-0AA0</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     green       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       mumber 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       black     Holder       material of the holder     Plastic       Display     0       number of LED modules     0       General technical data     500 V       insulation voltage rated value     500 V       degree of pollution     3       surge voltage of the operating voltage     AC/DCC	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         green           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 holder         plastic           color of the front ring         plastic           black         Holder           material of the holder         Plastic           Display         0           General technical data         0           gree of pollution         3           insulation voltage rated value         500 V           degree of pollution         3           surge voltage resistance rated value         6 kV	Actuator	
product extension optional light source       No         color of the actuating element       green         material of the actuating element       plastic         shape of the actuating element       cound         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         gesign of the front ring       Standard         material of the holder       Plastic         color of the front ring       black         Holder       Plastic         Display       0         number of LED modules       0         General technical data       product component light source         no       No         product function positive opening       No         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	design of the actuating element	Button, flat
color of the actuating element       green         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       plastic         color of the front ring       black         Holder       Plastic         material of the holder       Plastic         Display       0         number of LED modules       0         General technical data       product component light source         product function positive opening       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	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         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	product extension optional light source	No
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       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	color of the actuating element	green
outer diameter of the actuating element29.45 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all words start with capital lettersnumber of contact modules1Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackHolderImaterial of the holdermaterial of the holderPlasticDisplay0General technical data0product component light sourceNoproduct component light sourceStol Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	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       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       material of the holder         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	shape of the actuating element	round
with capital letters         number of contact modules         front ring         product component front ring         design of the front ring         material of the front ring         plastic         color of the front ring         black         Holder         material of the holder         Plastic         Display         number of LED modules         product function positive opening         No         product component light source         insulation voltage rated value         500 V         degree of pollution         3         type of voltage of the operating voltage         Surge voltage resistance rated value         6 kV	outer diameter of the actuating element	29.45 mm
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       0         product function positive opening       No         product component light source       Ston V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV	marking of the actuating element	
product component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackHolderPlasticmaterial of the holderPlasticDisplay0number of LED modules0General technical dataProduct function positive openingproduct function positive openingNoproduct component light sourceNoinsulation voltage rated value500 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kV	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         number of LED modules       0         General technical data       0         product function positive opening       No         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	Front ring	
material of the front ring       plastic         color of the front ring       black         Holder       black         material of the holder       Plastic         Display       number of LED modules         number of LED modules       0         General technical data       0         product function positive opening       No         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	product component front ring	Yes
color of the front ring       black         Holder       Plastic         material of the holder       Plastic         Display       0         number of LED modules       0         General technical data       0         product function positive opening       No         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	design of the front ring	Standard
Holder       Plastic         Display       0         number of LED modules       0         General technical data       0         product function positive opening       No         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	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       No         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	color of the front ring	black
Display       0         number of LED modules       0         General technical data       0         product function positive opening       No         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	Holder	
number of LED modules       0         General technical data       0         product function positive opening       No         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	material of the holder	Plastic
General technical data         product function positive opening       No         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	Display	
product function positive opening       No         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	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	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	product function positive opening	No
degree of pollution     3       type of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     6 kV	product component light source	No
type of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     6 kV	insulation voltage rated value	500 V
surge voltage resistance rated value 6 kV	degree of pollution	3
<u> </u>	type of voltage of the operating voltage	AC/DC
protection class IP IP66, IP67, IP69(IP69K)	surge voltage resistance rated value	6 kV
	protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal IP20	• 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 (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	0
number of NO contacts for auxiliary contacts	1
Connections/ Terminals	
type of electrical connection	screw-type terminals
<ul> <li>of modules and accessories</li> </ul>	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)
at 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 60721	3M6, 3S2, 3B2, 3C3, 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
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 installation width	11 mm
installation width	29.5 mm 49.7 mm
Certificates/ approvals	
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=3SU1100-0AB40-1BA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB40-1BA0-Z Y15 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB40-1BA0-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=3SU1100-0AB40-1BA0-Z Y15&lang=en

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