## **SIEMENS**

## **Data sheet**



Pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, screw terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

product designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 product type designation 3SU1400-1AA10-1FAQ 3SU1550-0AA10-0AAQ 3SU1500-0AA10-0AAQ 3SU1500-0AA10-0AAQ 3SU1500-0AAQ 3SU1500-0AA10-0AAQ	product brand name	SIRIUS ACT
product type designation product line Plastic with metal front ring, matt, 22 mm manufacturer's article number  • of supplied contact module at position 1 • of the supplied holder • of the 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 product extension optional light source color of the actuating element shape of the actuating element material of the actuating element plastic shape of the actuating element shape of the actuating element pout diameter of the actuating element number of contact modules 1  Front ring product component front ring design of the front ring design of the front ring material of the front ring Color of the front ring material of the holder plastic  Plastic  Display number of LED modules 0  General technical data product function positive opening product component light source No insulation voltage rated value 600 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value • of the terminal  Plast, per product class IP 1P60, IP69, IP60, IP69, IP60, IP60	product designation	Pushbuttons
product line manufacturer's article number  of supplied contact module at position 1 of the supplied holder of the supplied actuator number of command points  Actuator  design of the actuating element principle of operation of the actuating element material 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 product component front ring product component front ring material of the front ring material of the holder product component front product such actuating element product function positive opening product funct	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of the supplied holder of the supplied actuator supplied actuator  of the supplied actuator  supplied actuator  of the supplied actuator  supplied actuator  design of the actuating element product extension optional light source material of the actuating element outer diameter of the actuating element product component front ring product component front ring material of the front ring material of the holder material of the holder product component ight source  fooling of the actuating element outer diameter of the actuating element product component front ring design of the front ring material of the holder product component front ring material of the front ring sand gray  Holder material of the holder plastic  Display number of LED modules  O General technical data product function positive opening yes product component light source No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal  P20, clamping screw tightened	product type designation	3SU1
of supplied contact module at position 1     of the supplied holder     of the supplied actuator     number of command points     1  Actuator  design of the actuating element	product line	Plastic with metal front ring, matt, 22 mm
of the supplied holder of the supplied actuator asul1030-0AB20-0AAQ  to the supplied actuator asul1030-0AB20-0AAQ  Actuator  design of the actuating element principle of operation of the actuating element product exhesion optional light source color of the actuating element material of the actuating element shape of the actuating element actuating element plastic shape of the actuating element couter diameter of the actuating element marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Display number of LED modules  General technical data product component light source No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal  in Pe6, IP67, IP69(IP69K) product of the terminal  in Pe6, IP67, IP69(IP69K) product of the terminal  in SSU1030-0AAQ0  assurge voltage resistance rated value product of the terminal  in SSU1030-0AAQ0  assurge voltage resistance rated value product of the terminal	manufacturer's article number	
Of the supplied actuator  number of command points  Actuator  design of the actuating element  product extension optional light source color of the actuating element material of the actuating element  product extension optional light source color of the actuating element material of the actuating element round outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element cound outer diameter of the actuating element outer diameter	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1FA0
number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source No color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1  Front ring Yes design of the front ring Standard material 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 0  General technical data product component light source No insulation voltage rated value 500 V degree of pollution 3 surge voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) please in the fine of the terminal insulation sold the terminal insulation sold the terminal IP20, clamping screw tightened	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
Actuator   Button, flat   momentary contact type   momentary contact data   momentary contact component light source   No   momentary contact component contact data   momentary contact component contact data   momentary contact data   momentary contact component contact data   momentary contact contact data   momentary contact component contact data   momentary contact component contact data   momentary contact component contact data   momentary contact contact	of the supplied actuator	3SU1030-0AB20-0AA0
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 outer diameter of the actuating element narking of the actuating element outer diameter of the Customical element outer diameter outer diameter outer outer diameter out	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 shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 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  Display number of LED modules  General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surper voltage resistance rated value of the terminal  momentary contact type past red red No	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 customized labeling, graphical symbols acc. to ISO7000 and IEC60417 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  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 protection class IP other tring of the feet place in the feet	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 marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules  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  Display number of LED modules  General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal  Fred 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 customized labeling, graphical symbols acc. to ISO7000 and IEC60417 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  General technical data  product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal  plastic  plastic  plastic  plastic  plastic  plastic  Display number of LED modules 0  General technical data  product function positive opening yes product component light source insulation voltage rated value for Ves protection class IP of the terminal  plastic  pl	product extension optional light source	No
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 material of the front ring material of the holder material of the holder  Display number of LED modules  General technical data product function positive opening product component light source insulation voltage rated value  500 V  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  • of the terminal  round 29.45 mm customized labeling, graphical symbols acc. to ISO7000 and IEC60417  1 Page 49.45 mm customized labeling, graphical symbols acc. to ISO7000 and IEC60417  1 Page 49.45 mm customized labeling, graphical symbols acc. to ISO7000 and IEC60417  1 Page 49.45 mm Metal, matt sand gray  Holder  Plastic  Display  number of LED modules 0  General technical data product component light source No insulation voltage rated value 500 V degree of pollution 4 c/DC 5 surge voltage resistance rated value 6 kV protection class IP Fle6, IP67, IP69(IP69K) 1P20, clamping screw tightened	color of the actuating element	red
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 material of the front ring material of the holder  Display number of LED modules  General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value outer of the terminal  29.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  189.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  199.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  100.45 mm Cus	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 material of the front ring material of the holder  material of the holder  material of the holder  plastic  Display  number of LED modules  General technical data product component light source insulation voltage rated value  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  o tustomized labeling, graphical symbols acc. to ISO7000 and IEC60417  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  1  1  1  1  1  1  1  1  1  1  1  1	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  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  of the terminal  1  Yes  Plastic  Display  No  Source  No  Source  No  Source  AC/DC  Surge voltage resistance rated value  6 kV  Protection class IP  of the terminal	outer diameter of the actuating element	29.45 mm
Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt  rought front ring Metal, matt  product component light source Insulation voltage rated value  degree of pollution surge voltage resistance rated value  of the terminal  Yes  Yes  No  No  Source  No  Source  AC/DC  Surge voltage resistance rated value  of the terminal  Yes  AC/DC  Surge voltage screw tightened	marking of the actuating element	Customized labeling, graphical symbols acc. to ISO7000 and IEC60417
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  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  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  of the terminal  Yes  No  RC/DC  Surge voltage resistance rated value  of the terminal  Pyes  Piese, IP69, IP69, IP69(IP69K)  IP20, clamping screw tightened	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  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 of the terminal  Standard Metal, matt sand gray  Metal, matt sand gray  Metal, matt sand gray  Plastic  0  0  Ceneral technical data product function positive opening Yes No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value Protection class IP IP66, IP67, IP69(IP69K) Po the terminal	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  degree of pollution 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  0  0  Ceneral technical data 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 protection class IP IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	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  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  Plastic  Plastic  No  AC/DC  Surge voltage rated value  6 kV  Protection class IP  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	design of the front ring	Standard
Holder material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening  yes  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  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  AC  C  C  C  R  No  Source  No  AC/DC  Surge voltage resistance rated value  6 kV  Protection class IP  IP66, IP67, IP69(IP69K)  ■ of the terminal	material of the front ring	Metal, matt
Display         number of LED modules       0         General technical data         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20, clamping screw tightened	color of the front ring	sand gray
number of LED modules  General technical data  product function positive opening	Holder	
number of LED modules  General technical data  product function positive opening Yes  product component light source No insulation voltage rated value 500 V  degree of pollution 3  type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 6 kV  protection class IP IP66, IP67, IP69(IP69K)  of the terminal IP20, clamping screw tightened	material of the holder	Plastic
General technical data         product function positive opening       Yes         product component light source       No         insulation voltage rated value       500 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)         • 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  No  No  AC/DC  AC/DC  LP66, IP67, IP69(IP69K)  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	number of LED modules	0
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  No  AC/DC  6 kV  IP66, IP67, IP69(IP69K)  IP20, 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  from the terminal  insulation voltage rated value  AC/DC  6 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       6 kV         protection class IP       IP66, IP67, IP69(IP69K)         ● of the terminal       IP20, clamping screw tightened	product component light source	No
type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  AC/DC  6 kV  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	insulation voltage rated value	500 V
surge voltage resistance rated value       6 kV         protection class IP       IP66, IP67, IP69(IP69K)         ● of the terminal       IP20, clamping screw tightened	degree of pollution	3
protection class IP IP66, IP67, IP69(IP69K)  ● of the terminal 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	6 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	
for railway applications according to EN 61373	Category 1, Class B	
vibration resistance		
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g	
for railway applications according to EN 61373	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	screw-type terminals	
of modules and accessories	Screw-type terminal	
type of connectable conductor cross-sections	ociew-type terriiriai	
solid with core end processing	2x (0.5 0.75 mm²)	
solid with core end processing     solid without core end processing		
	2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)	
<ul><li>finely stranded with core end processing</li><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	our near real permitted for all devices benind from patien	
-	front plate mounting	
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		
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=3SU1130-0AB20-1FA0-Z Y13

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-0AB20-1FA0-Z Y13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-0AB20-1FA0-Z Y13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1130-0AB20-1FA0-Z Y13&lang=en

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