## **SIEMENS**

## **Data sheet**



Pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type, with holder, 1 NO, screw terminal, with laser labeling, lower case

product type designation design of the product product type designation product type designation 3SU1 Metal, shiny, 22 mm Memetal of the actuating element Medial, shiny, 22 mm Memetal, 38U1400-1AA10-1BA0 Memetal, 38U1400-1AA10-1BA0 Memetal, 38U1400-1AA10-1BA0 Metal, shiny, 22 mm Memetal of the front ring Metal, shiny, 22 mm Memetal of the front ring Metal, shiny, 22 mm Memetal of the	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm  **Of the 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 plastic shape of the actuating element couter diameter of the actuating element number of contact modules 1  **Front ring**  **product component front ring ** Yes ** design of the front ring ** Metal, high gloss color of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring ** Metal, high gloss color o	product designation	Pushbuttons
product line manufacturer's article number  of supplied contact module at position 1 of the supplied holder of the supplied actuator substituting the supplied actuator substituting the supplied actuator assuration of the supplied actuator assuration of the supplied actuator assuration of the supplied 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 outer diameter of the actuating element product extension optional light source actuating element customized labeling, text in lower case letters number of contact modules front ring product component front ring design of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the supplied actuating element plastic Display number of LED modules  Oceneral technical data product function positive opening No product component light source No insulation voltage rated value source surge voltage of the operating voltage of the front class IP of the terminal Pi20  Front class IP Oceneral technical class IP Oceneral technical class IP Oceneral case IP Oceneral class IP Oceneral class IP Oceneral case IP O	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  suttor  design of the actuating element  product extension optional light source  material of the actuating element  product component front ring  material of the front ring  material of the holder  material of the holder  product component fight source  product component light source  number of contact modules  for the actuating element  product diameter of the actuating element  product component front ring  material of the holder  product component front ring  design of the front ring  material of the contract modules  for the actuating element  number of contact modules  1  front ring  product component front ring  design of the front ring  material of the holder  plastic  product component front ring  silver  Metal, high gloss  color of the front ring  material of the holder  plastic  product function positive opening  number of LED modules  of concern technical data  product function positive opening  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	product type designation	3SU1
of supplied contact module at position 1     of the supplied holder     of the supplied actuator     assure 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     material of the actuating element     material of the actuating element     actuating element     product extension optional light source     color of the actuating element     material of the actuating element     outer diameter of the actuating element     cound     outer diameter of the actuating element     marking of the actuating element     customized labeling, text in lower case letters     number of contact modules     1  Front ring     product component front ring     design of the front ring     design of the front ring     slandard     material of the front ring     sliver  Holder  material of the holder  Plastic  Display     number of LED modules     0  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  P20	product line	Metal, shiny, 22 mm
• of the supplied holder • of the supplied actuator asbu1050-0AB20-0AA0  • of the supplied actuator number of command points  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 couter diameter of the actuating element number of contact modules  Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring Holder material of the holder Display number of LED modules  O  General technical data product component light source No	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 outer diameter of the actuating element number of contact modules  1  Front ring product component front ring design of the front ring material of the holder material of the holder number of LED modules  Ogeneral technical data product function positive opening product curponent light source  No  Region of the actuating element outer diameter of the strain lower case letters outer diameter of th	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1BA0
number of command points  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 red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, text in lower case letters number of contact modules 1  Front ring product component front ring Standard material of the front ring Standard material of the front ring Silver  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 type of voltage of the operating voltage Surge (SP6) (IP69) (IP6	<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 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, text in lower case letters number of contact modules 1  Front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver  Holder material of the holder Plastic  Display number of LED modules 0  General technical data product function positive opening No product component light source No insulation voltage rated value 500 V degree of pollution type of the terminal IP20  • of the terminal PP66, IP67, IP69(IP69K)  • of the terminal	of the supplied actuator	3SU1050-0AB20-0AA0
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 outer diameter of the actuating element arking of the actuating element outer diameter of the diameter outer ou	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 product extension optional glement shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case letters number of contact modules  Front ring product component front ring design of the front ring Metal, high gloss color of the front ring material of the front ring whetal, high gloss color of the front ring 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 of the terminal  Ple6, IP67, IP69(IP69K) IP20	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, text in lower case letters 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 whetal, high gloss color of the front ring Plastic  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 of the operating voltage surge voltage resistance rated value of the terminal  Ple6, IP67, IP69(IP69K) IP20	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 customized labeling, text in lower case letters 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  O  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 out terminal  Plastic  Pla	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 customized labeling, text in lower case letters number of contact modules 1  Front ring product component front ring design of the front ring Metal, high gloss color 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 source labeling out the firence of the terminal  plastic  Display No product component light source insulation voltage rated value degree of pollution 3 AC/DC surge voltage resistance rated value 6 kV protection class IP of the terminal	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  Holder material of the holder  Display number of LED modules  General technical data 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  outer diameter of LED modules customized and surproduct component light source surge voltage resistance rated value outer descriptions  6 kV protection class IP outer diameter of the actuating element customized labeling, text in lower case letters  1 customized labeling labeling labeling labeling labeling labeling labeling labeling labeling	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 Metal, high gloss color of the front ring material of the holder  Plastic  Display number of LED modules  General technical data product component light source insulation voltage rated value  4 by For Voltage of the operating voltage surge voltage resistance rated value  • of the terminal  29.45 mm Customized labeling, text in lower case letters  10 customized labeling, text in lower case letters  11 customized labeling, text in lower case letters  12 customized labeling, text in lower case letters  12 customized labeling, text in lower case letters  13 customized labeling, text in lower case letters  14 customized labeling, text in lower case letters  15 customized labeling, text in lower case letters  16 customized labeling, text in lower case letters  17 customized labeling, text in lower case letters  18 customized labeling, text in lower case labeling label	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, high gloss color of the front ring material of the holder  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 surge voltage resistance rated value  of the terminal  Customized labeling, text in lower case letters  1  Nessending text in lower case letters  1  Text in lower c	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, high gloss  color of the front ring  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  of the terminal  1  Yes  Nes  Standard  Metal, high gloss  S	outer diameter of the actuating element	29.45 mm
product component front ring design of the front ring material of the front ring color of the front ring Holder material of the holder material of the holder Plastic  Display number of LED modules  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 Standard Metal, high gloss silver  No silver  No silver  No solver Standard  Metal, high gloss silver  No silver  No silver No solver Standard  Metal, high gloss silver  No silver No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  AC/DC Surge voltage resistance rated value solver Standard  Metal, high gloss silver  Metal, high gloss silver  No solver Standard  Metal, high gloss silver  No solver Standard  No solver Standard  Metal, high gloss silver  No solver Standard	marking of the actuating element	Customized labeling, text in lower case letters
product component front ring design of the front ring Metal, high gloss color of the front ring silver  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 surge voltage resistance rated value of the terminal  Yes Standard Metal, high gloss Silver Plastic  Display  No  Solvet  Acport Solvet Solve	number of contact modules	1
design of the front ring material of the front ring Color of the front ring material of the front ring silver  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, high gloss Metal, high gloss silver  Metal, high gloss silver  Netal, high gloss silver  No  0  Cancel C	Front ring	
material of the front ring color of the front ring silver  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  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  protection class IP of the terminal  Metal, high gloss silver  Metal, high gloss silver  Plastic  0  0  Concat	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  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  Silver  Plastic  No  So  CO  CO  SIIVE  Plastic  No  SO  AC/DC  SIIVE  Plastic  No  AC/DC  No  SO  SO  SO  SO  SO  SO  SO  SO  SO  S	design of the front ring	Standard
material of the holder Plastic  Display  number of LED modules 0  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  protection class IP IP66, IP67, IP69(IP69K)  • of the terminal IP20	material of the front ring	Metal, high gloss
Display       Plastic         number of LED modules       0         General technical data       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         protection class IP       IP66, IP67, IP69(IP69K)         of the terminal       IP20	color of the front ring	silver
Display         number of LED modules       0         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         protection class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20	Holder	
number of LED modules  General technical data  product function positive opening     No  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  protection class IP     of the terminal  o  o  o  o  o  o  o  o  o  o  o  o  o	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         protection class IP       IP66, IP67, IP69(IP69K)         of the terminal       IP20	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  No  No  No  AC/DC  Surge voltage rated value  6 kV  Protection class IP  IP66, IP67, IP69(IP69K)  IP20	number of LED modules	0
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  protection class IP  of the terminal  No  800  AC/DC  6 kV  IP66, IP67, IP69(IP69K)  IP20	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  of the terminal  of the terminal  of the voltage rated value  protection class IP  IP66, IP67, IP69(IP69K)  IP20	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         protection class IP       IP66, IP67, IP69(IP69K)         ● of the terminal       IP20	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	insulation voltage rated value	500 V
surge voltage resistance rated value  protection class IP  of the terminal  6 kV  IP66, IP67, IP69(IP69K)  IP20	degree of pollution	3
protection class IP IP66, IP67, IP69(IP69K)  ● of the terminal IP20	type of voltage of the operating voltage	AC/DC
• of the terminal IP20	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
	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
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
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
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)
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	
<ul> <li>during operation</li> </ul>	-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	11 mm
installation width	29.5 mm
installation depth	49.7 mm
Certificates/ approvals	
Further information	
Information- and Downloadcenter (Catalogs, Brochures,	)
https://www.siemens.com/ic10	

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-0AB20-1BA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0AB20-1BA0-Z Y12

	/cs/ww/en/ps/3SU1150-0AB20-1BA0-Z Y12
(1)	2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
http://www.automation.siemens.com/	bilddb/cax_de.aspx?mlfb=3SU1150-0AB20-1BA0-Z Y12⟨=en
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