## **SIEMENS**

## **Data sheet**



Pushbutton, 22 mm, round, metal, shiny, black, pushbutton, raised, momentary contact type, with holder, 1 NO+1 NC, screw terminal, Z=20-unit packaging

product (seignation design of the product Complete unit Complete unit SSU1 (seignation so SSU1 (seignation	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm  of supplied contact module at position 1 SSU1400-1AA10-1FA0 SSU1550-0AA10-0AA0 of the supplied actuator submore of command points 1  Actuator  design of the actuating element principle of operation 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 product extension optional light source olor of the actuating element plastic shape of the actuating element product diameter of the actuating element product diameter of the actuating element product component front ring product component front ring West design of the front ring Metal, high gloss color of the front ring Metal, high gloss silver  Molder material of the holder Plastic  Display  number of LED modules  General 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 ferore terminal ferore terminal ferore terminal ferore terminal ferore terminal ferore protection NEMA rating ferore terminal ferore	product designation	Pushbuttons
product line Metal, shiny, 22 mm manufacturer's article number  • of supplied contact module at position 1 • of the supplied actuator • of the supplied actuator supplied contact module actuator • of the supplied actuator supplied contact module actuator • of the supplied actuator  assurisso-oAA10-oAA0  * of the supplied actuator  design of the actuating element  principle of operation of the actuating element  product extension optional light source No color of the actuating element  plastic shape of the actuating element  outer diameter of the actuating element  outer diameter of the actuating element  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 front ring  Metal, high gloss  color of the front positive opening  product component light source  No  Occoprate technical data  product function positive opening  yes  product component light source No  lineualistion voltage rated value  degree of pollution  3 CPC  surge voltage resistance rated value  6 kV  protection class IP  I P66, IP67, IP69(IP69K)  • of the terminal  degree of protection NEMA rating  shock resistance	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of the supplied holder  of the supplied holder  of the supplied holder  of the supplied holder  supplied actuator  substance  of the supplied actuator  substance  design of the actuating element  product extension optional light source  No  color of the actuating element  plastic  shape of the actuating element  number of contact modules  1  Front ing  product component front ring  design of the front ring  material of the front ring  design of the front ring  material of the front ring  material of the 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  product component front public	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 principle of operation of the actuating element product extension optional light source No color of the actuating element outer diameter of the actuating element pouter diameter of the actuating element outer diameter of the font ring product component front ring  fest in the font ring  product component front ring Metal, ligh gloss color of the front ring sliver  Holder material of the holder Display number of LED modules  O General technical data product function positive opening product function positive opening product function positive opening tyes of voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance acted value degree of protection NEMA rating 1, 2, 3, 8, 4, 4X, 12, 13 shock resistance	product line	Metal, shiny, 22 mm
of the supplied holder of the supplied actuator sabu1650-08810-00AAQ 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 outer diameter of the actuating element 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 holder Plastic  Display  Holder  material of the holder  Display  For the forting with the color of the front ring with the survey of the forting the product component ground the forting with the survey of the front ring with the survey of the forting with the survey of the front ring with the survey of the survey of the front ring with the survey of the survey of the survey of the survey of the survey	manufacturer's article number	
Of the supplied actuator number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element number of contact modules  1  Front ring product component front ring design of the front ring silver  Holder material of the holder Display number of LED modules  0  General technical data product component light source No  Oceneral technical data product function positive opening product component light source No  Insulation voltage rated value degree of pollution surge voltage resistance rated value degree of protection ISMA rating design screw tightened degree of protection NEMA rating design screws tightened degree of protection NEMA rating design screws tightened degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1FA0
number of command points    Actuator	of the supplied holder	<u>3SU1550-0AA10-0AA0</u>
design of the actuating element momentary contact type product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element product component front ring standard material of the front ring Standard material of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front product component front product component front product component front ring Metal, high gloss color of the front ring Metal, high gloss color of the front product component 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 product component front product component front product component front product function positive opening Yes product component light source No insulation voltage rated value 500 V degree of pollution 3 rule for the product component front product component fight source No insulation voltage rated value 6 kV protection class IP IP66, IP67, IP69(IP69K) Production NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	of the supplied actuator	3SU1050-0BB10-0AA0
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 poduct extension optional light source black material of the actuating element plastic shape of the actuating element pouter diameter of the actuating element product component front ring product component front ring product component front ring design of the front ring material of the front ring material of the front ring sliver  Holder plastic  Display number of LED modules product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element product component front ring material of the front ring material of the front ring material of the holder material of the holder  Plastic  Polisplay number of LED modules  General technical data product tunction positive opening product component light source insulation voltage rated value degree of pollution support of the component light source surge voltage resistance degree of protection NEMA rating degree of protection NEMA rating slock resistance  No lask  No lack 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  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  0  General technical data  product unction positive opening  product component light source  insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage  shock resistance  No  lease of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	design of the actuating element	Button, raised
color of the actuating element plastic material of the actuating element round outer diameter of the actuating element 29.45 mm 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 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 surper solution less the remained of the plastic protection class IP IP66, IP67, IP69(IP69K) e of the terminal IP20, clamping screw tightnend degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	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 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 function positive opening product component light source insulation voltage rated value degree of pollution support of the protection class IP of the terminal degree of protection NEMA rating shock resistance	product extension optional light source	No
shape 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 front ring Metal, high gloss color of the front ring whetal, high gloss color of the front ring Metal, high gloss color 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 3 type of voltage of the operating voltage surge voltage resistance rated value degree of protection NEMA rating degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	color of the actuating element	black
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 front ring silver  Holder material of the holder  Display number of LED modules  General technical data product component light source insulation voltage rated value degree of pollution support of the operating voltage surge voltage resistance rated value degree of protection NEMA rating type of the terminal degree of protection NEMA rating standard  1  Yes Standard Metal, high gloss Silver  Plastic  Display  No Solver  Plastic  Display  No Solver  Action Solver Solve	material of the actuating element	plastic
number of contact modules 1  Front ring  product component 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 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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	shape of the actuating element	round
product component 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 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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	outer diameter of the actuating element	29.45 mm
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  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  product eminal  product component light source  No  insulation voltage rated value  6 kV  protection class IP  of the terminal  IP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	number of contact modules	1
design of the front ring material of the front ring color of the front ring material of the holder  material of the holder  material of the holder  Plastic  Display number of LED modules  O  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 degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	Front ring	
material of the front ring silver  Holder  material of the holder Plastic  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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	product component front ring	Yes
color of the front ring  Holder  material of the holder  Display  number of LED modules  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  for the terminal  degree of protection NEMA rating  silver  Plastic  Plastic  Plastic  Plastic  Plastic  No  0  Conceptable  AC/DC  Surge voltage rated value  for kV  protection class IP  IP66, IP67, IP69(IP69K)  Plastic  Plastic  No  IP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	design of the front ring	Standard
material of the holder  Plastic  Display  number of LED modules  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  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  of kV  protection class IP  iP66, IP67, IP69(IP69K)  of the terminal  iP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	material of the front ring	Metal, high gloss
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  surge voltage of the operating voltage  protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	silver
number of LED modules  General technical data  product function positive opening	Holder	
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  for kV  protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	material of the holder	Plastic
product function positive opening product component light source No 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 lP20, clamping screw tightened degree of protection NEMA rating shock resistance	Display	
product function positive opening  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  protection class IP  1P66, IP67, IP69(IP69K)  of the terminal  IP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	number of LED modules	0
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  protection class IP  1P66, IP67, IP69(IP69K)  • of the terminal  IP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	General technical data	
insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  for kV  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  for voltage rated value  for kV  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened  1, 2, 3, 3R, 4, 4X, 12, 13	product function positive opening	Yes
degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  6 kV  protection class IP  IP66, IP67, IP69(IP69K)  ● of the terminal  IP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	product component light source	No
type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  AC/DC  6 kV  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened  1, 2, 3, 3R, 4, 4X, 12, 13	insulation voltage rated value	500 V
surge voltage resistance rated value  protection class IP  of the terminal  lP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	degree of pollution	3
protection class IP  of the terminal  lP20, clamping screw tightened  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	type of voltage of the operating voltage	AC/DC
● of the terminal IP20, clamping screw tightened  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	surge voltage resistance rated value	6 kV
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	protection class IP	IP66, IP67, IP69(IP69K)
shock resistance	of the terminal	IP20, clamping screw tightened
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms	shock resistance	
<u> </u>	• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms

vibration resistance	10 500 Hz: 5g
according to IEC 60068-2-6      according frequency maximum	10 500 Hz: 5g 3 600 1/h
operating frequency maximum	
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
	(5 V, 1 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	21/05 0.75 2222
solid with core end processing	2x (0.5 0.75 mm²)
solid without core end processing	2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (1,0 1,5 mm²)
• for AWG cables	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque with screw-type terminals	0.8 0.9 N·m
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
<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	16.2 mm
installation width	29.5 mm
installation depth	71.7 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

 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/view/109813875}}$ 

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

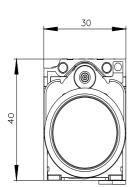
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-0BB10-1FA0-Z X90

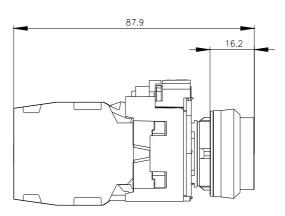
## Cax online generator

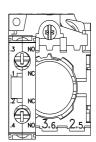
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1150-0BB10-1FA0-Z~X90}\\$ 

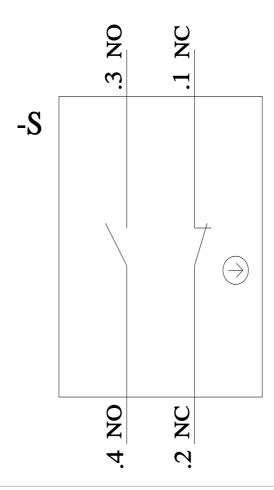
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0BB10-1FA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-0BB10-1FA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-0BB10-1FA0-Z X90&lang=en</a>









last modified: 1/26/2022 🖸

## **Mouser Electronics**

**Authorized Distributor** 

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

Siemens:

A6X30143068