# **SIEMENS**

### **Data sheet**



Illuminated pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, screw terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

product brand name design of the product product designation design of the product product line manufacturer's article number of supplied contact module at position 1 of the supplied contact module at position 1 of the supplied contact module at position 1 of the supplied LED module of the supplied Actuator number of command points  Actuator design of the actuating element product extension optional light source color of the actuating element product extension optional light source shape of the actuating element product extension optional light source color of the actuating element product extension optional light source shape of the actuating element product extension optional light source color of the actuating element product dameter of the actuating element product component front ring product component front ring design of the front ring sliker product component front ring design of the front ring sliker product component front ring design of the front ring sliker product component front ring design of the front ring sliker product component front ring design of the product component front ring design of the front ring sliker  Plastic Display number of LED modules 1  Coneral technical data product function positive opening yee product component light source yes lineal fire fire fires ([resk)] yee degree of pollution 3 yee of voltage rated value 4 kV protection class IP if of the reminal degree of protection NEMA rating 1, 2, 3, 87, 4, 47, 12, 13		
design of the product product type designation groduct line Metal, shiny, 22 mm  * of supplied contact module at position 1 * of supplied LED module * of the supplied LED module * of the supplied actuator * of the actuating element * of the actuating element * principle of operation of the actuating element * product extension optional light source * olior of the actuating element * outer diameter of the actuating element * or outer diameter of the actuating elem	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm manufacturer's article number  • of supplied contact module at position 1 supplied LED module of the supplied helder supplied supplied supplied helder of the supplied actuator supplied sup	product designation	Illuminated pushbuttons
product line manufacturer's article number  • of supplied contact module at position 1  • of supplied LED module  • of the supplied holder  • of the supplied holder  • of the supplied contact module at position 1  • of the supplied holder  • of the supplied holder  • of the supplied actuator  subject 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  (Yes)  color of the actuating element  material of the actuating element  outer diameter of the actuating element  marking of the actuating element  outer diameter of the actuating element  couter diameter of the actuating element  product component front ring  design of the front ring  for the actuating element  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  number of contact modules  1  Front ring  Yes  display of the front ring  design of the front ring  slandard  material of the front ring  material of the holder  Plastic  Display  number of LED modules  1  General technical data  product component light source  Yes  insulation voltage rated value  320 V  degree of pollution  1  Ples (IP67, IP68)(P69K)  + of the terminal  Ples (IP67, IP68)(P69K)  + of the terminal	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of supplied LED module  of the supplied LED module  of the supplied actuator  substitution of the supplied actuator  substitution of the supplied actuator  assultation of the supplied actuator  substitution of the supplied 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  color of the actuating element  material of the actuating element  outer diameter 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  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 function positive opening  yes  product function positive opening  yes  insulation voltage rated value  degree of pollution  3 20 V  degree of pollution  4 KV  protection class IP  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	product type designation	3SU1
• of supplied LED module • of supplied LED module • of the supplied holder • of the supplied holder • of the supplied holder • of the supplied ontater  Inumber of command points  Actuator  design of the actuating element  principle of operation of the actuating element  product extension optional light source  Ves color of the actuating element  plastic  shape of the actuating element  outer diameter of the actuating element  product diameter 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  material of the front ring  material of the front ring  fooling the front ring  material of the holder  Plastic  Display  number of LED modules  1  General technical data  product function positive opening  product component light source  Yes  insulation voltage rated value  degree of pollution  3   type of voltage of the operating voltage  surge voltage resistance rated value  4  kV  protection class IP  in the terminal  Plast, IP69 (IP69K)  IP20, clamping screw tightened	product line	Metal, shiny, 22 mm
of supplied LED module of the supplied holder 3SU1550-0AA10-0AA0 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 parking of the actuating element shape of the actuating element pound 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 Metal, high gloss color of the front ring Metal, high gloss color of the front ring material of the holder plastic  Front ring  Metal, high gloss color of the front ring Metal, high gloss color of the front	manufacturer's article number	
of the supplied holder of the supplied actuator structure 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 product extension optional light source that actuating element product extension optional light source color of the actuating element product extension optional light source red plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element couter diameter of the actuating element product 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 sliver  design of the front ring material of the front ring Metal, high gloss color of the front ring where of the front ring food of the front ring sliver  Holder  material of the holder  Display number of LED modules 1  General technical data product function positive opening red product component light source red sign of the operating voltage surge voltage resistance rated value 4 kV protection class IP profection	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1FA0
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 product extension optional light source red material of the actuating element plastic shape of the actuating element pound outer diameter of the actuating element parking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC80417 number of contact modules  Front ring product component front ring design of the front ring sliver  Holder material of the holder plastic  Seneral technical data product function positive opening yes product component light source insulation voltage rated value 320 V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BB20-1AA0
number of command points  Actuator  design of the actuating element	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
design of the actuating element brinciple of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element red material of the actuating element plastic shape of the actuating element plastic shape of the actuating element custing of the actuating element plastic shape of the actuating element custing of the actuating element custing element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 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 sliver  Holder material of the holder Plastic  Display number of LED modules 1  General technical data product function positive opening Yes Insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)  • of the terminal	of the supplied actuator	3SU1051-0AB20-0AA0
design of the actuating element principle of operation of the actuating element product extension optional light source Yes color of the actuating element red material of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic plastic shape of the actuating element pound outer diameter of the actuating element plastic plastic shape of the actuating element plastic plastic plastic plastic shape of the actuating element plastic plas	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 light source color of the actuating element plastic shape of the actuating element outer diameter of the actuating element parking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules Teront ring product component front ring design of the front ring Metal, high gloss color of the front ring material of the front ring sliver Holder material of the holder Display number of LED modules 1  General technical data product function positive opening product component light source Yes insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage of the terminal IP20, clamping screw tightened	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 narking 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 Metal, high gloss color of the front ring silver material of the holder Display number of LED modules  1  Ceneral technical data product tunction positive opening yes product component light source yes insulation voltage rated value degree of pollution 3  type of voltage of the operating voltage surge voltage resistance rated value of the terminal  1  1  1  1  1  1  1  1  1  1  1  1  1	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, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules  1  Front ring product component front ring design of the front ring standard material of the front ring waterial 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 3 type of voltage of the operating voltage surge voltage resistance rated value of the 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 arking 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 Metal, high gloss color of the front ring material of the holder  Plastic  Display number of LED modules  feneral technical data product component light source insulation voltage rated value 320 V degree of pollution surge voltage resistance rated value 4 kV protection class IP outer fired to use for the security of the terminal  possible color of the front ring  Alexandre  round customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of LEO 01500 and IEC60417  Pres silver  Plastic  Plastic  Plastic  Plastic  Display  number of LED modules  1  General technical data  product component light source yes insulation voltage rated value 320 V degree of pollution 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element parking 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 color of the front ring material of the holder  material of the holder  Plastic  Display number of LED modules 1  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  outer the substance of the substance of the terminal  Plastic  Plastic  AC/DC surge voltage resistance rated value  4 kV  Protection class IP outer the actuating element 29.45 mm Acustomical symbols acc. to ISO7000 and IEC60417  New Yes  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  New Yes  1  Standard  Metal, high gloss  Silver  Metal, high gloss  Silver  Plastic  Display  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  New Yes  Silver  Plastic  Display  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  New Yes  Silver  Plastic  Display  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  New Yes  Silver  Plastic  Display  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  New Yes  Silver  Plastic  Display  1  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  New Yes  Silver  Plastic  Display  Acide  Acide  Acide  Plastic  Plastic  Acide  Acide  Plastic  Plastic  Acide  Aci	color of the actuating element	red
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 Standard material of the front ring weter all of the holder Display number of LED modules 1  General technical data product function positive opening product component light source insulation voltage rated value 4 kV protection class IP other times to ISO7000 and IEC60417  Customized labeling, graphical symbols acc. to ISO7000 and IEC60417  Les of ISO7000 and IEC60417  A Sundard  Metal, high gloss Standard  Metal, high gloss Standard  Plastic  Plastic  Display  1  General technical data  product function positive opening yes insulation voltage rated value 4 kV  Protection class IP Of the terminal 1P20, clamping screw tightened	material of the actuating element	plastic
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  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  surge voltage resistance rated value  4 kV  protection class IP of the terminal  over the surge voltage is surger tightened	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  color of the front ring  Metal, high gloss  color of the front ring  material of the holder  Plastic  Display  number of LED modules  feneral technical data  product function positive opening product component light source insulation voltage rated value  degree of pollution  surge voltage resistance rated value  4 kV  protection class IP of the terminal  of the front ring  Yes Standard  Metal, high gloss Standard  Metal, high gloss  Standard  Metal, high gloss  Standard  Metal, high gloss  Standard  Metal, high gloss  Standard  Metal, high gloss  1  Plastic  Plastic  1  General technical data  product component light source  yes insulation voltage rated value  4 kV  Protection class IP of the terminal	outer diameter of the actuating element	29.45 mm
product component front ring design of the front ring material of the holder    Holder   Metal, high gloss   Color of the front ring   Silver   Holder   Metal, high gloss   Color of the front ring   Holder   Holder   Plastic   Display   number of LED modules   1   General technical data   product function positive opening   Yes   product component light source   insulation voltage rated value   320 V     degree of pollution   3     type of voltage of the operating voltage   surge voltage resistance rated value   4 kV     protection class IP   of the terminal   IP20, clamping 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 holder  Flastic  Display number of LED modules  General technical data product function positive opening product component light source insulation voltage rated value  4 kV  protection class IP of the terminal  Yes Standard Metal, high gloss Standa	number of contact modules	1
design of the front ring 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 1  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  protection class IP of the terminal  Standard  Metal, high gloss Metal, high gloss  Metal, high gloss  Metal, high gloss  1  Pes  Plastic  Plastic  Plastic  Plastic  Plastic  Pes  Pes  AC/DC  Surge voltage rated value 4 kV  Protection class IP IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	Front ring	
material of the front ring silver  Holder  material of the holder Plastic  Display  number of LED modules 1  General technical data  product function positive opening Yes product component light source Yes insulation voltage rated value 320 V  degree of pollution 3  type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 4 kV  protection class IP IP66, IP67, IP69(IP69K)  • of the terminal 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  silver  Plastic  Plastic  Plastic  AC/DC  Yes  1  320 V  4 kV  Protection class IP  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	design of the front ring	Standard
material of the holder  Display  number of LED modules  1  General technical data  product function positive opening  yes  product component light source  insulation voltage rated value  320 V  degree of pollution  3  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP    IP66, IP67, IP69(IP69K)    IP20, clamping screw tightened	material of the front ring	Metal, high gloss
Display         number of LED modules       1         General technical data         product function positive opening       Yes         product component light source       Yes         insulation voltage rated value       320 V         degree of pollution       3         type of voltage of the operating voltage       AC/DC         surge voltage resistance rated value       4 kV         protection class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20, clamping screw tightened	color of the front ring	silver
number of LED modules  1  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  1  Ceneral technical	Holder	
number of LED modules  General technical data  product function positive opening	material of the holder	Plastic
product function positive opening  product component light source  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  Peo, 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  Yes  320 V  AC/DC  4 kV  Protection class IP  IP66, IP67, IP69(IP69K)  IP20, clamping screw tightened	number of LED modules	1
product component light source  insulation voltage rated value  320 V  degree of pollution  3 type of voltage of the operating voltage  AC/DC  surge voltage resistance rated value  protection class IP  of the terminal  IP20, clamping screw tightened	General technical data	
insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage  AC/DC  surge voltage resistance rated value  protection class IP  of the terminal  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     4 kV       protection class IP     IP66, IP67, IP69(IP69K)       ● of the terminal     IP20, clamping screw tightened	product component light source	Yes
type of voltage of the operating voltage  surge voltage resistance rated value  4 kV  protection class IP  of the terminal  IP20, clamping screw tightened	insulation voltage rated value	320 V
surge voltage resistance rated value  4 kV  protection class IP  • 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	4 kV
, 1 0	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
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
	(5 V, 1 mA)
Supply voltage	
type of voltage of the supply voltage of the light source	AC/DC
supply voltage of the light source at AC	
at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
supply voltage 1 of the light source at DC rated value	24 V
Control circuit/ Control	
inrush current of LED module maximum	2 A
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
<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)
• 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
Lamp	
type of light source	LED
color of the light source	red
light intensity	450 1 120 mcd
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
fastening method	front plate mounting
of modules and accessories	Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	
	round
mounting diameter	round 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

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

#### Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

#### Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1152-0AB20-1FA0-Z Y13

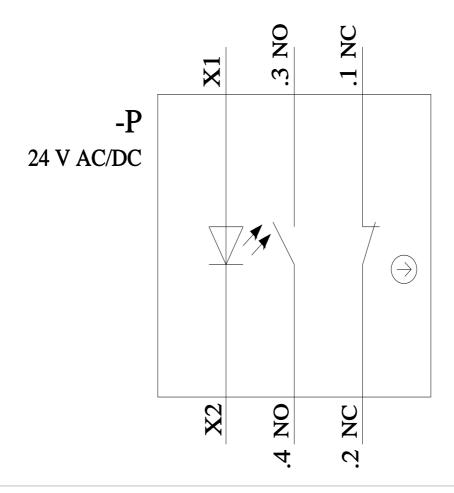
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB20-1FA0-Z Y13

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB20-1FA0-Z Y13

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



last modified: 1/26/2022 🖸

## **Mouser Electronics**

**Authorized Distributor** 

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

Siemens:

A6X30143220