# **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, upper case

product brand name design of the product designation design of the product product type designation product line Metal, ship, 22 mm manufacturer's article number of supplied contact module at position 1 of the supplied activator of the supplied LED module of the supplied LED module of the supplied activator number of command points  Activator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source voior of the actuating element product extension optional light source shape of the actuating element product extension optional light source pass of the actuating element product extension optional light source pass of the actuating element product extension optional light source pass of the actuating element product extension optional light source pass of the actuating element product extension optional light source pass of the actuating element product demeter of the actuating element product demeter of the actuating element product of the actuating element product form the protection of the extension element product form of the actuating element product form of the actuating element product component front ring product function positive opening product function positive opening product function positive opening product component light source yes product		
design of the product product type designation product line Metal, shiny, 22 mm Metal, shiny, 22 mm Metal, shiny, 22 mm Metal, shiny, 22 mm  manufacturer's article number  • of supplied contact module at position 1 • of supplied LED module • 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 red material of the actuating element pout diameter of the actuating element product of actuating element product omponent 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  Standard material of the holder Plastic  Standard  Metal, high gloss product component light source yes product component light source yes product component light source yes insulation voltage rated value yes product component light source yes insulation voltage rated value ye of the terminal  Plast, IFF, Plastic P	product brand name	SIRIUS ACT
product type designation  product line  Metal, shiny, 22 mm  Metal, shiny, 22 mm  manufacturer's article number  of supplied LED module at position 1  supplied LED module assultation assultation and the supplied help of the supplied help of the supplied help of the supplied actuator  supplied LED module assultation a	product designation	Illuminated pushbuttons
product line manufacturer's article number	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of supplied LED module  of the supplied actuator  substitution of the supplied actuator  design of the actuating element  design of the actuating element  principle of operation of the actuating element momentary contact type  product extension optional light source  color of the actuating element  material of the actuating element  outer diameter of the actuating element  arriving of the actuating element  outer diameter of the actuating element  arriving of the actuating element  arriving of the actuating element  product component front ring  design of the front ring  whela, high gloss  color of the front ring  Metal, high gloss  color of the front ring  tolder  material of the holder  Plastic  Display  number of LED modules  1  Senseral technical data  product function positive opening  yes  foodlers one of the supplied actuating element  silver  tolders  yes  insulation voltage rated value  4 kV  protection class IP  1 Pe6, IP67, IP69(IP69K)  IP20, clamping screw tightened	product type designation	3SU1
of supplied contact module at position 1     of supplied LED module     of supplied LED module     of the supplied holder     of the supplied holder     of the supplied holder     of the supplied actuator     sulfost-0AA10-0AA0     of the supplied actuator  asulfost-0AA10-0AA0  number of command points     design of the actuating element     principle of operation of the actuating element momentary contact type     product extension optional light source     ves     color of the actuating element plastic     shape of the actuating	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 shape of the actuating element product extension optional light source color of the actuating element shape of the actuating element pasterial 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 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 front opening yes product function positive opening product function positive opening product component gloss over a supplied to the product of the positive opening product function positive opening yes product function positive opening yes product component right source insulation voltage rated value degree of pollution 3 type of voltage resistance rated value 4 kV protection class IP profection class IP profec	manufacturer's article number	
of the supplied holder of the supplied actuator submer 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 product extension optional light source shape of the actuating element plastic shape of the actuating element marking of the actuating element marking of the actuating element product omponent front ring product component front ring design of the front ring sliver  Metal, high gloss color of the front ring material of the holder  Display number of LED modules 1  General technical data product function positive opening product component light source results actuating element sliver  Yes  General technical data product function positive opening tyes 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  P20, clamping screw tightened	<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 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 marking 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 Metal, high gloss color of the holder Display number of LED modules  1  General technical data product tunction positive opening yes product component light source insulation voltage rated value 320 V degree of pollution type of 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 1  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 round outer diameter of the actuating element Any inscription, text in upper case 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 sliver  Holder 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 type of the terminal lipts out to the terminal lipts of the locals IP e of the terminal lipts of the plastic Ple6, IP67, IP69(IP69K) e of the terminal	<ul> <li>of the supplied actuator</li> </ul>	3SU1051-0AB20-0AA0
design of the actuating element Button, flat  principle 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 round  outer diameter of the actuating element Any inscription, text in upper case 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 silver  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 3  type of voltage of the operating voltage AC/DC  surge voltage resistance rated value 4 kV  protection class IP  of the terminal iP20, clamping screw tightened	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 shape of the actuating element outer diameter of the actuating element parking of the actuating element arrking of the actuating element arrking of the actuating element product component front ring product component front ring yes design of the front ring 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 product component light source yes insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage of the terminal PEG, IP69, IP69(IP69K) PEG, IP67, IP69(IP69K) PEG, IP67, IP69(IP69K) PEG, IPAF, IP69(IP69K) P	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  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  1  Ceneral technical data product component light source yes insulation voltage rated value degree of pollution surge voltage resistance rated value of the terminal  Pede, IP67, IP69(IP69K) IP20, clamping screw tightened	design of the actuating element	Button, flat
color of the actuating element plastic  material of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Any inscription, text in upper case 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 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 IP20, clamping screw tightened	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 arking of the actuating element any inscription, text in upper case 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 surge voltage of the operating voltage surge voltage resistance rated value  4 kV protection class IP  other texture in upper case and i	product extension optional light source	Yes
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  Plastic  Display  number of LED modules 1  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 diameter and in upper case Any inscription, text in upper case  Any inscription, and in	color of the actuating element	red
outer diameter of the actuating element 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 holder Display number of LED modules  1  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  4 kV protection class IP  i ves  Any inscription, text in upper case Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Next in upper case  Any inscription, text in upper case  Any inscription  An	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  Plastic  Display  number of LED modules  foeneral 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  Any inscription, text in upper case  1  Yes  Standard  Metal, high gloss silver  Holder  Plastic  Plastic  Display  1  Ceneral 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 of the terminal  Place, clamping screw 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  1  General technical data  product function positive opening  yes  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  1  Plastic  Plastic  1  Seven  Ac/DC  Surge voltage rated value  4 kV  Protection class IP  IP66, IP67, IP69(IP69K)  of the terminal	outer diameter of the actuating element	29.45 mm
Front ring 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 1  General technical data product function positive opening 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  of the terminal Pyes Standard Metal, high gloss silver Plastic Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Display  1  General technical data  product function positive opening Yes product component light source Yes insulation voltage rated value 320 V  degree of pollution 4 kV  Protection class IP of the terminal Plastic  P	marking of the actuating element	Any inscription, text in upper case
product component front ring  design of the front ring  material of the holder  material of the holder  Plastic  Display  number of LED modules  formulation positive opening  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  1  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Jes  AC/DC  Surge voltage resistance rated value  4 kV  Protection class IP  iP66, IP67, IP69(IP69K)  of the terminal  IP20, clamping screw tightened	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  1  Retall R	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 ∨  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  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  Plastic  AC/DC  Yes  insulation voltage rated value  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  1  1  1  1  1  1  1  1  1  1  1  1	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 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)   ● 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  Yes  320 V  AC/DC  AC/DC  Surge voltage resistance rated value  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  surge voltage resistance rated value  protection class IP  of the terminal  Peo, 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  insulation voltage rated value  AC/DC  4 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     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  ■ of the terminal  IP66, IP67, IP69(IP69K)  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
, , , ,	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 Y11

#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB20-1FA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB20-1FA0-Z Y11

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

last modified: 1/26/2022 🖸

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