## **SIEMENS**

## **Data sheet**



Illuminated pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type, with holder, 1NC, LED module with integrated LED 24 V AC/DC, spring-type terminal, with laser labeling, upper case

product designation design of the product product type designation product type designation product type designation annifacturer's article number  • of supplied contact module at position 1 • of supplied contact module at position 1 • of supplied LED module • of the supplied obtain 1 • of the supplied obtain 2 • of the terminal • of the terminal • of supplied obtain 1 • of the supplied obtain 1 • of the terminal • of the	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm  Metal, shiny, 24 ma  Metal, shiny,	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 actuator as SU1401-18B20-3AA0 3SU1401-1BB20-3AA0 3SU1650-0AA10-0AA0 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 subspace of the actuating element subspace of the actuating element subspace 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 pouter diameter of the actuating element arking of the actuating element product diameter of the actuating element product component front ring yes design of the front ring silver  Holdor material of the front ring material of the front ring material of the front ring silver  Holdor material of the holder Plastic  Display number of LED modules 1  General technical data product component light source yes product component light source Yes 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)	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of supplied LED module  of the supplied holder  of the supplied actuator  of the supplied actuator  assul 1550-0AA10-0AA0  of the supplied actuator  assul 1550-0AA10-0AA0  assul 1550-0AA10-AA0  assul 1550-0AA10-AA0  assul 1550-0AA10-AA0  assul 1550-0AA10-AA0  assul 1550-0AA10  assul 1550-0AA1	product type designation	3SU1
of supplied contact module at position 1     of supplied LED module     of the supplied holder     of the supplied actuator     of the supplied actuator     of the supplied actuator     asutosto-oAA10-oAA0     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     marking of the actuating element     arrange of the actuating element     arange of the actuating element     arrange of the actuating elemen	product line	Metal, shiny, 22 mm
of supplied LED module     of the supplied holder     of the supplied actuator     aumber of command points     1  Actuator  design of the actuating element	manufacturer's article number	
of the supplied actuator of the supplied actuator asulosin-oaapo-oaapo asulosin-oaapo-oaapo asulosin-oaapo-oaapo asulosin-oaapo-oaapo design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element patential of the actuating element product component front ring product component front ring product component front ring silver  Holder patential of the front ring product front ing patential of the holder plastic  Display number of LED modules 1  General technical data 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 IF66, IF67, IF69(IF69K)	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-3CA0
of the supplied actuator     number of command points     Actuator  design of the actuating element	<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BB20-3AA0
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     anterial of the actuating element     cout admeter of the actuating element     anterial of the actuating element     outer diameter of the actuating element     anterial of the front ring     yes     design of the front ring     standard     material of the front ring     silver  Holder     material of the front ring     product front of the front element     product function positive opening     product function positive opening     product component light source     yes     insulation voltage rated value     degree of pollution     surge voltage resistance rated value     protection class IP     If the product on the positive opening     protection class IP     If ple6, IP67, IP69(IP69K)	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
Actuator   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	of the supplied actuator	3SU1051-0AB20-0AA0
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 poduct extension optional light source color of the actuating element plastic plastic shape of the actuating element pouter diameter of the actuating element product extension optional light source 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 holder plastic  Display number of LED modules foenceal technical data product function positive opening product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value august product component growthap in the product of the operating voltage surge voltage resistance rated value protection class IP  Button, flat momentary contact type  momentary contact type  yes  postact and actuating  postact and actuating  number of contact modules	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 plastic shape of the actuating element outer diameter of the actuating element arking 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 whetal, high gloss color of the front ring whetal, high gloss color of the front ring 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 3 type of voltage of the operating voltage surge voltage resistance rated value  4 kV protection class IP  Medal, vish extensive contact type yes color of the front ring  Technology  Yes product function positive opening AC/DC surge voltage resistance rated value  4 kV protection class IP	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 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 Metal, high gloss color of the front ring material of the holder Plastic  Display number of LED modules 1  General technical data 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  Plastic Plastic Ple5(, IP69, I	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 anxing 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 silver  Holder material of the holder  Display number of LED modules  1  General 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 I sound  pound plastic  red plastic plastic plastic plastic plastic plastic product component plastic	principle of operation of the actuating element	momentary contact type
material of the actuating element shape of the actuating element outer diameter of the actuating element 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 front ring 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 3 type of voltage of the operating voltage surge voltage resistance rated value 4 kV protection class IP  Indirects  Plastic	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  Metal, high gloss color of the front ring 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 4 kV protection class IP  Any inscription, text in upper case  Alexandra  Product component ring Yes Surge voltage resistance rated value 4 kV Protection class IP	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 Metal, high gloss color of the front ring 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 surge voltage resistance rated value 4 kV protection class IP  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  1  Any inscription, text in upper case  Any inscription, text in upper case  1  Front ring Any inscription, text in upper case  Any inscription, text in upper case  1  Front ring Any inscription, text in upper case  All in upper case  1  Front ring Any in upper	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 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 surge voltage resistance rated value 4 kV protection class IP  Any inscription, text in upper case 1  Ray inscription, text in upper case 1  Yes  1  Yes  Plastic Plastic  Plastic  Plastic  Plastic  Plastic  Plastic  Ac/DC  Surge voltage resistance rated value 4 kV  Protection class IP	shape of the actuating element	round
number of contact modules  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 IP66, IP67, IP69(IP69K)	outer diameter of the actuating element	29.45 mm
product component front ring product component front ring design of the front ring Metal, high gloss color of the front ring 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 protection class IP  Pes Standard Metal, high gloss Standard Metal	marking of the actuating element	Any inscription, text in upper case
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  front function positive opening  product function positive opening  product component light source  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  a yes  protection class IP  Yes  Standard  Metal, high gloss  silver  Hetal, high gloss  silver  Plastic  Acybes  Acybes  Acybes  surge voltage resistance rated value  4 kV  Protection class IP	number of contact modules	1
design of the front ring material of the front ring  material of the front ring  material of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  front function positive opening product function positive opening product component light source insulation voltage rated value  degree of pollution surge voltage of the operating voltage surge voltage resistance rated value  protection class IP  Standard Metal, high gloss Metal, high gloss silver  Plastic  1  General technical data product function positive opening yes surge voltage rated value 4 kV protection class IP	Front ring	
material of the front ring  color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  froduct 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  AC/DC  surge voltage IP  Wetal, high gloss  silver  Plastic  Plastic  1  General technical data  Yes  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	product component front ring	Yes
color of the front ring  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  AC/DC  surge voltags IP  IP66, IP67, IP69(IP69K)	design of the front ring	Standard
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  Plastic  Plastic  Plastic  Plastic  1  Ceneral technical data  yes  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 1P66, IP67, IP69(IP69K)	material of the front ring	Metal, high gloss
material of the holder  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  Plastic  Plastic  Plastic  Plastic  AC/DC  Yes  320 V  AC/DC  4 kV	color of the front ring	silver
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 surge voltage resistance rated value  Fig. 1  AC/DC  Surge voltage resistance rated value  AC/DC  Surge voltage resistance rated value  Protection class IP  IP66, IP67, IP69(IP69K)	Holder	
number of LED modules  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)	material of the holder	Plastic
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  Yes 320 V 320 V AC/DC 4 kV	Display	
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  4 kV protection class IP IP66, IP67, IP69(IP69K)	number of LED modules	1
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  Yes  320 V  AC/DC  4 kV  Protection class IP	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  320 V  AC/DC  4 kV  IP66, IP67, IP69(IP69K)	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)	product component light source	Yes
type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  AC/DC  4 kV  IP66, IP67, IP69(IP69K)	insulation voltage rated value	320 V
surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K)	degree of pollution	3
protection class IP IP66, IP67, IP69(IP69K)	type of voltage of the operating voltage	AC/DC
	surge voltage resistance rated value	4 kV
• of the terminal IP20	protection class IP	IP66, IP67, IP69(IP69K)
	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	3 000 000
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)
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	0
Connections/ Terminals	
type of electrical connection	spring-loaded terminals
of modules and accessories	Spring-type terminal
type of connectable conductor cross-sections	Opining type terminal
solid without core end processing	2x (0.25 1.5 mm²)
finely stranded with core end processing	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²)
finely stranded with core end processing     finely stranded without core end processing	2x (0.25 0.75 mm²)
art AWG cables	
tightening torque of the screws in the bracket	2x (24 16) 1 1.2 N·m
	1 1.2 IVIII
Lamp	LED
type of light source	LED
color of the light source	red
light intensity	450 1 120 mcd
Ambient conditions	
ambient temperature	0.5
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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1152-0AB20-3CA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB20-3CA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB20-3CA0-Z Y11

 $Image\ database\ (product\ images, 2D\ dimension\ drawings, 3D\ models, device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1152-0AB20-3CA0-Z Y11&lang=en

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