## **SIEMENS**

## **Data sheet**



Mushroom pushbutton, 22 mm, round, plastic with metal front ring, red, 40mm, latching, pull-to-unlatch mechanism, with holder, 1 NO+1 NC, screw terminal, with laser labeling, lower case

product brand name design of the product product type designation design of the product product type designation  of supplied contact module at position 1 of supplied contact module at position 1 of the supplied actuator  of the supplied actuator  **To the supplied actuator  **To the supplied of the actuating element product testension optional light source color of the actuating element material of the actuating element marking of the actuating element product extension optional light source pour lamber of contact modules  **To the actuating element product extension optional light source color of the actuating element product extension optional light source pour diameter of the actuating element product extension optional light source color of the actuating element product extension optional light source pour diameter of the actuating element plastic pour diameter of the actuating element pull-to-unlatch mechanism product extension positions  **To contact modules product component front ring product component front ring feet in the front ring product component front ring Metal, matt color of the front ring material of the front ring material of the holder plastic  **To color of the front ring product component front ring product component front ring  **Element of the front ring product component front ring product component front ring  **Element of the front ring product component front ring product component front ring product component front ring product component front ring  **Element of the front ring product component fr			
design of the product type designation 3SU1 product tine Plastic with metal front ring, matt, 22 mm manufacturer's article number  of supplied contact module at position 1 of the supplied actuator of the supplied actuator  **To supplied actuator  **To supplied of command points of the supplied actuator  **To supplied of command points  **To supplied of operation of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element Au of the actuating element product extension optional light source outer diameter of the actuating element Au of mm marking of the forting Au of the actuating element Au of the material of the forting Au of the actuating element Au of the material of the forting Au of the material of the forting Au of the for	product brand name	SIRIUS ACT	
product type designation product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 1 assutisso-DAA10-DAA0 of the supplied actuator assutisso-DAA10-DAA0 assutisso-DAA0 assutisso-DAA10-DAA0 assutisso-DAA00 assutisso-DAA10-DAA0 assutisso-DAA00 assutisso-DAA000 assutisso-DAA0000 assutisso-DAA000	product designation	Mushroom pushbuttons	
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number  • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator  **Tenclosure**  number of command points **Actuator**  number of command points **Actuator**  product extension optional light source color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element product extension optional regions and plant source plastic plastic plastic plastic plant plastic shape of the actuating element plastic shape of the front ring plastic shape of the front ring plastic plast	design of the product	Complete unit	
manufacturer's article number  of supplied contact module at position 1  of the supplied actuator  asultago-JAA10-JAA0  of the supplied actuator  asultago-JAA0  e of the supplied actuator  substitution of the supplied actuator  substitution of the supplied actuator  substitution of the actuating element  product extension optional light source  color of the actuating element  material of the actuating element  marking of the actuating element  marking of the actuating element  marking of the actuating element  mumber of contact modules  1  Any inscription, text in lower case  number of switching positions  2  Front ring  product component front ring  design of the front ring  Metal, matt  color of the front ring  Metal, matt  color of the front ring  product tunction  product tunction  positive opening  product tunction  positive opening  product tunction  positive opening  e Metal color  product function  product function  Pesitive opening  e Metal color  product function  product function  No  e Metal color  Pesitive opening  e Metal color  product function  positive opening  e Metal color  product function  Pesitive opening  e Metal color  product function  No  e Metal color  Pesitive opening  e Metal color  product function  No  e Metal color  Pesitive opening  e Metal color  product function  No  e Metal color  Pesitive opening  e Metal color  product ord color  product ord color  Pesitive opening  e Metal color  product ord color  product ord color  product ord color  product ord color	product type designation	3SU1	
of the supplied holder of the supplied holder of the supplied actuator  substituting the supplied actuator  number of command points  Actuator  product extension optional light source color of the actuating element shape of the actuating element hashed of the actuating element round color of the actuating element hashed of the actuating element round color of the actuating element hashed of the actuating element round couter diameter of the actuating element harking of the actuating element Any inscription, text in lower case number of contact modules 1 type of unlocking device number of switching positions 2 type of unlocking device product component front ring Yes design of the front ring Metal, matt color of the front ring sand gray  Holder  material of the holder  Display  runder of LEDs  O  General technical data  product function  product omponent expensive opening expensive	product line	Plastic with metal front ring, matt, 22 mm	
of the supplied holder of the supplied actuator  surverse of command points  Actuator  principle of operation of the actuating element product extension optional light source No octor of the actuating element product extension optional light source No octor of the actuating element plastic shape of the actuating element plastic shape of the actuating element product extension optional representation of the actuating element plastic shape of the actuating element plastic plastic shape of the actuating element plastic product function plastic plastic plastic plastic product function positive opening yes employed plastic	manufacturer's article number		
of the supplied actuator      Enclosure  Inumber of command points  Actuator  principle of operation of the actuating element   latching   product extension optional light source   No   color of the actuating element   red   material of the actuating element   plastic   shape of the actuating element   round   outer diameter of the actuating element   Any inscription, text in lower case   number of contact modules   1   type of unlocking device   pull-to-unlatch mechanism   number of switching positions   2   Front ring   Yes   design of the front ring   Standard   material of the front ring   Any inscription   material of the front ring   Standard   material of the holder   Plastic   Display   number of LEDs   0   General technical data   product function   e positive opening   Yes   e EMERGENCY OFF function   No   e EMERGENCY STOP function   No   e Define of the survey of the su	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1FA0	
Enclosure  number of command points  1 Actuator  product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element product extension optional light source outer diameter of the actuating element Any inscription, text in lower case number of contact modules 1 Type of unlocking device pull-to-unlatch mechanism aumber of switching positions 2 Front ring product component front ring design of the front ring Metal, matt color of the front ring sand gray  Holder  Display  number of LEDS 0 General technical data  product function positive opening EMERGENCY OFF function EMERGENCY STOP function No product component light source insulation voltage rated value degree of pollution	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0	
number of command points 1 Actuator  principle of operation of the actuating element product extension optional light source No color of the actuating element red material of the actuating element round outer diameter of the actuating element Any inscription, text in lower case number of contact modules 1 type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring product component front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic  Plastic  General technical data  product function  • positive opening Yes  • EMERGENCY OFF function No  • EMERGENCY STOP function  • Insulation voltage rated value degree of pollution	<ul> <li>of the supplied actuator</li> </ul>	3SU1030-1BA20-0AA0	
Actuator  principle of operation of the actuating element product extension optional light source No color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Any inscription, text in lower case number of contact modules 1 swingeright of the front ring positions 2 pull-to-unlatch mechanism product component front ring Standard sand gray Holder front ring Metal, matt color of the front ring sand gray Holder Plastic Display number of LEDs 0 Ceneral technical data Product function product function Positive opening Yes EMERGENCY OFF function No EMERGENCY STOP function EMERGENCY STOP function No EMERGENCY STOP function Insulation voltage rated value degree of pollution in surface in the first product over one of the first surface in the first surfa	Enclosure		
principle of operation of the actuating element   latching   product extension optional light source   No   color of the actuating element   red   material of the actuating element   plastic   shape of the actuating element   round   outer diameter of the actuating element   40 mm   marking of the actuating element   Any inscription, text in lower case   number of contact modules   1   type of unlocking device   pull-to-unlatch mechanism   number of switching positions   2   Front ring   Yes   design of the front ring   Standard   material of the front ring   Metal, matt   color of the front ring   sand gray   Holder   material of the holder   Plastic   Display   number of LEDs   0   General technical data   product function	number of command points	1	
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 arking of the actuating element Any inscription, text in lower case number of contact modules 1 type of unlocking device number of switching positions 2  Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Metal, matt color of the front ring material of the holder  Display  number of LEDs O General technical data  product function • positive opening • EMERGENCY OFF function • Mo Insulation voltage rated value degree of pollution  No Insulation voltage rated value  degree of pollution	Actuator		
color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 40 mm marking of the actuating element Any inscription, text in lower case number of contact modules 1 type of unlocking device pull-to-unlatch mechanism number of switching positions 2  Front ring product component front ring Standard material of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LEDs 0  General technical data  product function	principle of operation of the actuating element	latching	
material of the actuating element round outer diameter of the actuating element 40 mm marking of the actuating element Any inscription, text in lower case number of contact modules 1 type of unlocking device pull-to-unlatch mechanism number of switching positions 2  Front ring  product component front ring Yes design of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LEDs 0 General technical data  product function	product extension optional light source	No	
shape of the actuating element outer diameter of the actuating element amarking of the actuating element number of contact modules 1 type of unlocking device number of switching positions 2  Front ring product component front ring design of the front ring material of the front ring material of the holder  Display number of LEDs General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function product component light source insulation voltage rated value degree of pollution  7 Any inscription, text in lower case 10 Any inscription, text in lower case 11 Any inscription, text in lower case 12 Any inscription, text in lower case 11 Any inscription, text in lower case 12 Any inscription, text in lower case 12 Any inscription, text in lower case 13 Any inscription, text in lower case 14 Any inscription, text in lower case 14 Any inscription, text in lower case 15 Any inscription, text in lower case 16 Any inscription, text in lower case 18 Any inscription case 18 Any inscripti	color of the actuating element	red	
outer diameter of the actuating element  marking of the actuating element  number of contact modules  type of unlocking device  number of switching positions  2  Front ring  product component front ring  design of the front ring  material of the front ring  material of the holder  Display  number of LEDs  General technical data  product function  • positive opening  • EMERGENCY OFF function  product component light source  insulation voltage rated value  degree of pollution  40 mm  Any inscription, text in lower case  pull-to-unlatch mechanism  1  Any inscription, text in lower case  pull-to-unlatch mechanism  1  Any inscription, text in lower case  pull-to-unlatch mechanism  1  Pes  design of the front ring  Yes  Standard  Metal, matt  sand gray  Holder  Plastic  Plastic  Display  number of LEDs  0  General technical data  product function  • positive opening  • EMERGENCY OFF function  No  • EMERGENCY STOP function  No  product component light source  No  insulation voltage rated value  500 V  degree of pollution	material of the actuating element	plastic	
marking of the actuating element number of contact modules  type of unlocking device number of switching positions  2  Front ring product component front ring design of the front ring material of the front ring sand gray  Holder  material of the holder Display number of LEDs 0  General technical data  product function	shape of the actuating element	round	
number of contact modules type of unlocking device pull-to-unlatch mechanism number of switching positions 2  Front ring product component front ring design of the front ring Metal, matt color of the front ring sand gray  Holder material of the holder Plastic  Display number of LEDs General technical data  product function • positive opening • EMERGENCY OFF function • EMERGENCY STOP function product component light source insulation voltage rated value degree of pollution  1  yes  pull-to-unlatch mechanism  A pull-to-unlatch	outer diameter of the actuating element	40 mm	
type of unlocking device pull-to-unlatch mechanism number of switching positions 2  Front ring  product component front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray  Holder  material of the holder Plastic  Display  number of LEDs 0  General technical data  product function	marking of the actuating element	Any inscription, text in lower case	
number of switching positions  Front ring  product component front ring	number of contact modules	1	
product component front ring product component front ring design of the front ring Metal, matt color of the front ring sand gray  Holder  material of the holder Plastic  Display number of LEDs 0  General technical data  product function • positive opening • EMERGENCY OFF function • EMERGENCY STOP function product component light source insulation voltage rated value  degree of pollution  Yes  No  Standard  Metal, matt  Standard  Met	type of unlocking device	pull-to-unlatch mechanism	
product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  material of the holder  material of the holder  Plastic  Display  number of LEDs  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  No  product component light source  insulation voltage rated value  degree of pollution  Yes  Standard  Metal, matt  Metal, matt  Standard  Metal, matt  Metal, matt  Standard  Metal, matter  Standard  Metal, matter  Standard  Metal, matter  Standard  Metal, matter  Standard  Meta	number of switching positions	2	
design of the front ring  material of the front ring  color of the front ring  sand gray  Holder  material of the holder  Plastic  Display  number of LEDs  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  No  product component light source  insulation voltage rated value  degree of pollution  Sand gray  Metal, matt  Sand gray  Plastic  0  0  General technical data  Product function  No  No  Source  No  Insulation voltage rated value  Source  Source  No  Gegree of pollution  3	Front ring		
material of the front ring  color of the front ring  sand gray  Holder  material of the holder  Plastic  Display  number of LEDs  0  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  product component light source  insulation voltage rated value  degree of pollution  Metal, matt  Metal, matt  Metal, matt  Sand gray  Plastic  0  0  General technical data  Product function  No  • positive opening  • EMERGENCY OFF function  No  • EMERGENCY STOP function  No  product component light source  No  insulation voltage rated value  degree of pollution  3	product component front ring	Yes	
color of the front ring sand gray   Holder   Plastic   Display   number of LEDs 0   General technical data   product function   • positive opening Yes   • EMERGENCY OFF function No   • EMERGENCY STOP function No   product component light source No   insulation voltage rated value 500 V   degree of pollution 3	design of the front ring	Standard	
material of the holder Plastic  Display  number of LEDs 0  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  product component light source insulation voltage rated value  degree of pollution  Plastic  Plastic  No  0  0  0  0  0  0  0  0  0  0  0  0  0	material of the front ring	Metal, matt	
material of the holder  Display  number of LEDs  0  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  product component light source insulation voltage rated value  degree of pollution  Plastic  Plastic  Plastic  Plastic  No   0   No   0   Ves  No  No  No  No  No  No  No  No  No  Insulation voltage rated value  Ston V	color of the front ring	sand gray	
number of LEDs 0  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  product component light source insulation voltage rated value  degree of pollution  0  0  0  0  0  0  0  0  0  0  0  0  0	Holder		
number of LEDs  General technical data  product function  • positive opening • EMERGENCY OFF function • EMERGENCY STOP function  product component light source insulation voltage rated value  degree of pollution  0  0  Ves  No  No  No  Solv  degree of pollution  3	material of the holder	Plastic	
General technical data       product function     Yes       • positive opening     Yes       • EMERGENCY OFF function     No       • EMERGENCY STOP function     No       product component light source     No       insulation voltage rated value     500 V       degree of pollution     3	Display		
product function  • positive opening  • EMERGENCY OFF function  • EMERGENCY STOP function  product component light source  insulation voltage rated value  degree of pollution  Yes  No  No  No  Solution  No  3	number of LEDs	0	
positive opening     EMERGENCY OFF function     EMERGENCY STOP function     product component light source     insulation voltage rated value  degree of pollution  Yes  No  No  Solution  No  3	General technical data		
EMERGENCY OFF function     EMERGENCY STOP function     No product component light source     No insulation voltage rated value  degree of pollution  No 3	product function		
● EMERGENCY STOP function No product component light source No insulation voltage rated value 500 ∨ degree of pollution 3	<ul> <li>positive opening</li> </ul>	Yes	
product component light source  insulation voltage rated value  degree of pollution  No  500 V  3	EMERGENCY OFF function	No	
insulation voltage rated value 500 V degree of pollution 3	<ul> <li>EMERGENCY STOP function</li> </ul>	No	
insulation voltage rated value 500 V degree of pollution 3	product component light source	No	
degree of pollution 3		500 V	
·		3	
7r · · · · · · · · · · · · · · · · · · ·	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	1, 2, 0, 011, 7, 771, 12, 10
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
for railway applications according to EN 61373	Category 1, Class B
vibration resistance	Outogory 1, Outob B
according to IEC 60068-2-6	10 500 Hz: 5g
for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	500 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	P
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the C characteristic MCB	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
· /	10/0 1/2014
operating voltage  • at AC	
at AC     — at 50 Hz rated value	5 500 V
<ul> <li>— at 60 Hz rated value</li> <li>• at DC rated value</li> </ul>	5 500 V 5 500 V
	5 500 V
Power Electronics	One melanasation par 400 million (47 )/ 5 mA), and melanasation par 40 million
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 of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)
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	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
60721	condensation in operation permitted for all devices behind front panel)
nstallation/ mounting/ dimensions	
fastening method	5
of modules and accessories	Front plate mounting
height	40 mm
width	40 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	27.5 mm
installation width	40 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=3SU1130-1BA20-1FA0-Z Y12

Cax online generator

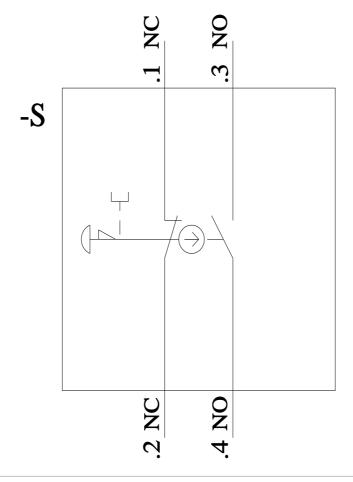
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-1BA20-1FA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-1BA20-1FA0-Z Y12

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1130-1BA20-1FA0-Z Y12&lang=en



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