Data sheet

SIEMENS

3SU1100-1BA20-1FA0-Z Y11



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

product designation design of the product product type designation product tine plastic, black, 22 mm manufacturer's article number of supplied contact module at position 1 substitution of the supplied holder of the supplied actuator substitution of the substitution of the actuating element product extension optional light source color of the actuating element product extension optional light source principle of the actuating element product extension optional light source anatorial of the actuating element plastic shape of the actuating element outer diameter of the actuating element anarking of the actuating element Any inscription, text in upper case number of contact modules type of unlocking device pull-to-unlatch mechanism number of switching positions product component front ring yes design of the front ring product component front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LEDs O General technical data	product brand name	SIRIUS ACT
product type designation product line manufacturer's article number of supplied contact module at position 1 of the supplied contact module at position 1 of the supplied actuator of the supplied actuator Enclosure number of command points 1 Actuator 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 arriving of the actuating element outer diameter of the actuating element arriving of the actuating element Any inscription, text in upper 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 material of the front ring plastic color of the front ring black Holder material of the holder Display number of LEDs 0 General technical data	product designation	Mushroom pushbuttons
product line Plastic, black, 22 mm manufacturer's article number • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator • of the supplied actuator • of the supplied actuator Interpolate 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 number of contact modules type of unlocking device number of switching positions 2 Front ring product expension of the actuating product expension optional light source plastic shape of the actuating element outer diameter of the actuating element any inscription, text in upper case number of contact modules type of unlocking device number of switching positions 2 Front ring product component front ring design of the front ring plastic color of the front ring plastic color of the holder Plastic Display number of LEDs 0 General technical data	design of the product	Complete unit
manufacturer's article number of supplied contact module at position 1 of the supplied holder of the supplied actuator Enclosure number of command points 1 Actuator principle of operation of the actuating element product extension optional light source No color of the actuating element material of the actuating element pout diameter of the actuating element number of contact modules type of unlocking device number of switching positions 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 plastic shape of the actuating element Any inscription, text in upper 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 plastic color of the front ring black Holder material of the holder Plastic Display number of LEDs 0 General technical data	product type designation	3SU1
of supplied contact module at position 1 of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator sulfactuator Inumber of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element marking of the actuating element marking of the actuating element anumber of contact modules type of unlocking device number of switching positions Front ring product component front ring design of the front ring material of the holder Display number of LEDs O General technical data	product line	Plastic, black, 22 mm
of the supplied holder of the supplied actuator Enclosure number of command points 1 Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules type of unlocking device number of switching positions product component front ring design of the front ring material of the front ring material of the front ring plastic Standard material of the front ring material of the holder Display number of LEDs 0 General technical data	manufacturer's article number	
of the supplied actuator	 of supplied contact module at position 1 	3SU1400-1AA10-1FA0
Enclosure number of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, text in upper case number of contact modules type of unlocking device number of switching positions Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring material of the holder Plastic Display number of LEDs O General technical data	 of the supplied holder 	3SU1550-0AA10-0AA0
number of command points Actuator 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 narking of the actuating element number of contact modules type of unlocking device number of switching positions Front ring product component front ring design of the front ring material of the front ring material of the holder Display number of LEDs O Ceneral technical data	 of the supplied actuator 	3SU1000-1BA20-0AA0
Principle of operation of the actuating element product extension optional light source No color of the actuating element red plastic shape of the actuating element round outer diameter of the actuating element Any inscription, text in upper case number of contact modules 1 type of unlocking device pull-to-unlatch mechanism number of switching positions 2 tront ring product component front ring Standard material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LEDs 0 General technical data	Enclosure	
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 marking of the actuating element outer diameter of the actuating element Any inscription, text in upper 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 color of the front ring Holder material of the holder Display number of LEDs O General technical data	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 marking of the actuating element marking of the actuating element Any inscription, text in upper 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 color of the front ring material of the holder Display number of LEDs O General technical data	Actuator	
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 type of unlocking device number of switching positions Front ring product component front ring design of the front ring material of the front ring material of the holder Moder	principle of operation of the actuating element	latching
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 upper 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 plastic color of the front ring black Holder material of the holder Plastic Display number of LEDs 0 General technical data	product extension optional light source	No
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules type of unlocking device number of switching positions product component front ring design of the front ring material of the front ring material of the holder material of the holder Display number of LEDs Pany inscription, text in upper case pull-to-unlatch mechanism pull-to-	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 Front ring product component front ring design of the front ring material of the front ring material of the holder material of the holder Display number of LEDs General technical data	material of the actuating element	plastic
marking of the actuating element number of contact modules type of unlocking device number of switching positions Pront ring product component front ring design of the front ring material of the front ring color of the front ring material of the holder Moder material of the holder Display number of LEDs General technical data	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 material of the front ring color of the front ring Holder material of the holder Display number of LEDs General technical data	outer diameter of the actuating element	40 mm
type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring Yes design of the front ring Standard plastic color of the front ring black Holder material of the holder Plastic Display number of LEDs 0 General technical data	marking of the actuating element	Any inscription, text in upper case
number of switching positions Front ring product component front ring design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic Display number of LEDs General technical data	number of contact modules	1
product component front ring design of the front ring material of the front ring color of the front ring holder material of the holder Display number of LEDs General technical data	type of unlocking device	pull-to-unlatch mechanism
product component front ring design of the front ring material of the front ring color of the front ring Holder material of the holder Plastic Display number of LEDs General technical data	number of switching positions	2
design of the front ring material of the front ring color of the front ring Holder material of the holder Plastic Display number of LEDs General technical data	Front ring	
material of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LEDs 0 General technical data	product component front ring	Yes
color of the front ring black Holder material of the holder Plastic Display number of LEDs 0 General technical data	design of the front ring	Standard
Holder material of the holder Display number of LEDs General technical data	material of the front ring	plastic
material of the holder Display number of LEDs General technical data	color of the front ring	black
Display number of LEDs 0 General technical data	Holder	
number of LEDs 0 General technical data	material of the holder	Plastic
General technical data	Display	
	number of LEDs	0
	General technical data	
product function	product function	
• positive opening Yes	 positive opening 	Yes
• EMERGENCY OFF function No	 EMERGENCY OFF function 	No
EMERGENCY STOP function No	EMERGENCY STOP function	No
product component light source No	product component light source	No
insulation voltage rated value 500 V	insulation voltage rated value	500 V
degree of pollution 3	degree of pollution	3

tune of voltage of the energting voltage	AC/DC	
type of voltage of the operating voltage	6 kV	
surge voltage resistance rated value		
protection class IP of the terminal	IP66, IP67, IP69(IP69K)	
	IP20, clamping screw tightened	
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
shock resistance	ataura tidal halfuurur Afra / AA ma	
according to IEC 60068-2-27 for raily and applications according to EN 64373.	sinusoidal half-wave 15g / 11 ms	
• for railway applications according to EN 61373	Category 1, Class B	
vibration resistance	10 F00 H=- F=	
according to IEC 60068-2-6 for raily and applications according to EN 61373.	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 (switching cycles) typical	500 000	
electrical endurance (switching 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 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	5 500 1/	
— at 50 Hz rated value	5 500 V	
— at 60 Hz rated value	5 500 V	
at DC rated value	5 500 V	
Power Electronics		
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)	
Auxiliary circuit	Tillion (C V, T HV)	
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	Colon type terrinia	
solid with core end processing	2x (0.5 0.75 mm²)	
solid without core end processing solid without core end processing	2x (1.0 1.5 mm²)	
finely stranded with core end processing	2x (0.5 1.5 mm²)	
finely stranded without core end processing	2x (1,0 1,5 mm²)	
at 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	3.0 3.0	
ambient temperature		
during operation	-25 +70 °C	
	-25 +70 °C	
• during storage environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no	
60721 Installation/ mounting/ dimensions	condensation in operation permitted for all devices behind front panel)	
fastening method		
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		

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=3SU1100-1BA20-1FA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1BA20-1FA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1BA20-1FA0-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=3SU1100-1BA20-1FA0-Z Y11&lang=en

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