SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic, gray, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, screw terminal, with laser labeling, lower case

product brand name	SIRIUS ACT	
product designation	Pushbuttons	
design of the product	Complete unit	
product type designation	3SU1	
product line	Plastic, black, 22 mm	
manufacturer's article number		
 of supplied contact module at position 1 	3SU1400-1AA10-1FA0	
 of the supplied holder 	3SU1550-0AA10-0AA0	
of the supplied actuator	3SU1000-0AB80-0AA0	
number of command points	1	
Actuator		
design of the actuating element	Button, flat	
principle of operation of the actuating element	momentary contact type	
product extension optional light source	No	
color of the actuating element	gray	
material of the actuating element	plastic	
shape of the actuating element	round	
outer diameter of the actuating element	29.45 mm	
marking of the actuating element	Customized labeling, text in lower case letters	
number of contact modules	1	
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 LED modules	0	
General technical data		
product function positive opening	Yes	
product component light source	No	
insulation voltage rated value	500 V	
degree of pollution	3	
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	
• 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	
 according to IEC 60068-2-6 	10 500 Hz: 5g
for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles) typical	10 000 000
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)
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
of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	ociew-type terriiriai
solid with core end processing	2x (0.5 0.75 mm²)
solid with core end processing solid without core end processing	
	2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
 finely stranded with core end processing 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	
ambient temperature	
during operation	-25 +70 °C
• during storage	-40 +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	our near real permitted for all devices benind from pariety
-	front plate mounting
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	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	
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=3SU1100-0AB80-1FA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB80-1FA0-Z Y12

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB80-1FA0-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=3SU1100-0AB80-1FA0-Z Y12&lang=en

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