



Illuminated pushbutton, 22 mm, round, plastic, 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, lower case

product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
<ul style="list-style-type: none"> • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the supplied actuator 	3SU1400-1AA10-1FA0 3SU1401-1BB20-1AA0 3SU1550-0AA10-0AA0 3SU1001-0AB20-0AA0
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	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	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	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)
<ul style="list-style-type: none"> • of the terminal 	IP20, clamping screw tightened

degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	sinusoidal half-wave 15g / 11 ms Category 1, Class B
<ul style="list-style-type: none"> • according to IEC 60068-2-27 • for railway applications according to EN 61373 	
vibration resistance	10 ... 500 Hz: 5g Category 1, Class B
<ul style="list-style-type: none"> • according to IEC 60068-2-6 • for railway applications according to EN 61373 	
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	5 ... 500 V 5 ... 500 V 5 ... 500 V
<ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value 	
<ul style="list-style-type: none"> • at DC rated value 	
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	24 V 24 V
<ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value 	
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 Screw-type terminal
<ul style="list-style-type: none"> • of modules and accessories 	
type of connectable conductor cross-sections	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1,0 ... 1,5 mm ²) 2x (18 ... 14)
<ul style="list-style-type: none"> • solid with core end processing 	
<ul style="list-style-type: none"> • solid without core end processing 	
<ul style="list-style-type: none"> • finely stranded with core end processing 	
<ul style="list-style-type: none"> • finely stranded without core end processing 	
<ul style="list-style-type: none"> • at AWG cables 	
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	-25 ... +70 °C -40 ... +80 °C
<ul style="list-style-type: none"> • during operation • during storage 	
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	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=3SU1102-0AB20-1FA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB20-1FA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB20-1FA0-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=3SU1102-0AB20-1FA0-Z Y12&lang=en

last modified:

1/26/2022 