



Illuminated pushbutton, 22 mm, round, plastic, red, pushbutton, flat, momentary contact type, with holder, 1NO, 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 	3SU1400-1AA10-1BA0 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	No
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

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	0	
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 • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • 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	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=3SU1102-0AB20-1BA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB20-1BA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB20-1BA0-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=3SU1102-0AB20-1BA0-Z Y12&lang=en

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