## SIEMENS

## Data sheet

## 3SU1150-0AB40-1FA0



Pushbutton, 22 mm, round, metal, shiny, green, pushbutton, flat, momentary contact type, 1 NO+1 NC, screw terminal

product brand name       SIRUS ACT         product designation       Pushbuttons         design of the product       Complete unit         product line       Metal, shiny, 22 mm         manufacturer's article number       SU1400-1AA10-1FA0         • of supplied contact module at position 1       3SU1550-0AA10-0AA0         • of the supplied notact module at position 1       3SU1550-0AA10-0AA0         • of the supplied actuator       3SU1550-0AA10-0AA0         • of the supplied actuator       3SU1050-0AB40-0AA0         number of command points       1         Actuator       Actuator         design of the actuating element       momentary contact type         product extension optional light source       No         color of the actuating element       green         material of the actuating element       green         material of the actuating element       pastic         shape of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         design of the front ring       Ketal, high gloss         color of the front ring       Standard         material of the holder       Plastic         product component front ring       Metal, high gloss						
design of the product       Complete unit         product type designation       3SU1         product line       Metal, shiny, 22 mm         manufacturer's article number       -         • of supplied contact module at position 1       3SU1400-1AA10-1FA0         • of the supplied contact module at position 1       3SU1550-0AA10-0AA0         • of the supplied actuator       3SU1050-0AB40-0AA0         number of command points       1         Actuator	product brand name	SIRIUS ACT				
product type designation     3SU1       product line     Metal, shiny, 22 mm       manufacturer's article number	product designation	Pushbuttons				
product line       Metal, shiny, 22 mm         manufacturer's article number       3SU1400-1AA10-1FA0         • of supplied contact module at position 1       3SU11550-0AA10-0AA0         • of the supplied holder       3SU11550-0AA10-0AA0         • of the supplied actuator       3SU11050-0AB40-0AA0         number of command points       1         Actuator       design of the actuating element         product extension optional light source       No         color of the actuating element       green         material of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         design of the front ring       Yes         design of the front ring       Standard         material of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       Wetal, high gloss         color of the front ring       Metal, high gloss         color of the front ring       Metal, high gloss         color of the front ring       Imaterial of the holder	design of the product	Complete unit				
manufacturer's article number     3SU1400-1AA10-1FAQ       • of supplied contact module at position 1     3SU1550-0AA10-0AAQ       • of the supplied actuator     3SU1050-0AAQ       • of the supplied actuator     3SU1050-0AAQ       number of command points     1       Actuator     design of the actuating element       principle of operation of the actuating element     momentary contact type       product extension optional light source     No       color of the actuating element     green       material of the actuating element     plastic       shape of the actuating element     z9.45 mm       number of contact modules     1       Front ring     Yes       design of the front ring     Yes       design of the front ring     Metal, high gloss       color of the front ring     Standard       material of the holder     Plastic	product type designation	3SU1				
• of supplied contact module at position 1       3SU1400-1AA10-1FA0         • of the supplied holder       3SU1550-0AA10-0AAQ         • of the supplied actuator       3SU1050-0AB40-0AAQ         number of command points       1         Actuator       1         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       green         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         design of the front ring       Yes         design of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         material of the holder       Plastic	product line	Metal, shiny, 22 mm				
• of the supplied holder       3SU1550-0AA10-0AA0         • of the supplied actuator       3SU1050-0AB40-0AA0         number of command points       1         Actuator       design of the actuating element       1         Actuator       momentary contact type       0         product extension of the actuating element       momentary contact type       0         product extension optional light source       No       0         color of the actuating element       green       0         material of the actuating element       plastic       0         shape of the actuating element       29.45 mm       0         number of contact modules       1       1         Front ring       Yes       0       0         product component front ring       Yes       Yes       0         design of the front ring       Standard       0       0	manufacturer's article number					
• of the supplied actuator       3SU1050-0AB40-0AA0         number of command points       1         Actuator	<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1FA0</u>				
number of command points       1         Actuator       Endetsion 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       green         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       1         product component front ring       Yes         design of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         material of the holder       Plastic	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>				
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       green         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       silver	<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1050-0AB40-0AA0</u>				
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     green       material of the actuating element     plastic       shape of the actuating element     round       outer diameter of the actuating element     29.45 mm       number of contact modules     1       Front ring     Yes       design of the front ring     Standard       material of the front ring     Metal, high gloss       color of the front ring     silver       Holder     Plastic       Display     0	number of command points	1				
principle of operation of the actuating element         momentary contact type           product extension optional light source         No           color of the actuating element         green           material of the actuating element         plastic           shape of the actuating element         round           outer diameter of the actuating element         29.45 mm           number of contact modules         1           Front ring         Yes           design of the front ring         Standard           material of the front ring         Standard           color of the front ring         Plastic	Actuator					
product extension optional light source       No         color of the actuating element       green         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       Standard         material of the front ring       silver         Holder       Plastic         material of the holder       Plastic         Display       0	design of the actuating element	Button, flat				
color of the actuating element       green         material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         Display       0	principle of operation of the actuating element	momentary contact type				
material of the actuating element       plastic         shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         Display       0	product extension optional light source	No				
shape of the actuating element       round         outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         Display       0	color of the actuating element	green				
outer diameter of the actuating element       29.45 mm         number of contact modules       1         Front ring       1         product component front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         Display       0	material of the actuating element	plastic				
number of contact modules       1         Front ring       Yes         product component front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, high gloss         color of the front ring       silver         Holder       Plastic         Display       0	shape of the actuating element	round				
Front ring     Yes       design of the front ring     Standard       material of the front ring     Metal, high gloss       color of the front ring     silver       Holder     Plastic       Display     0	outer diameter of the actuating element	29.45 mm				
product component front ring     Yes       design of the front ring     Standard       material of the front ring     Metal, high gloss       color of the front ring     silver       Holder     Plastic       Display     0	number of contact modules	1				
design of the front ring     Standard       material of the front ring     Metal, high gloss       color of the front ring     silver       Holder     Plastic       Display     0	Front ring					
material of the front ring     Metal, high gloss       color of the front ring     silver       Holder     Plastic       Display     0	product component front ring	Yes				
color of the front ring     silver       Holder     material of the holder       Plastic       Display       number of LED modules     0	design of the front ring	Standard				
Holder       material of the holder     Plastic       Display     0	material of the front ring	Metal, high gloss				
material of the holder     Plastic       Display     0	color of the front ring	silver				
Display number of LED modules 0	Holder					
number of LED modules 0	material of the holder	Plastic				
	Display					
General technical data	number of LED modules	0				
	General technical data					
product function positive opening Yes	product function positive opening	Yes				
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				
type of voltage of the operating voltage AC/DC	type of voltage of the operating voltage	AC/DC				
surge voltage resistance rated value 6 kV	surge voltage resistance rated value	6 kV				
protection class IP IP66, IP67, IP69(IP69K)	protection class IP	IP66, IP67, IP69(IP69K)				
protection class IP of the terminal IP20, clamping screw tightened	protection class IP of the terminal	IP20, clamping screw tightened				

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degree of protection NEMA retire	
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
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating 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
Weight	0.077 kg
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 terminal
<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal
type of connectable conductor cross-sections	
solid with core end processing	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm <sup>2</sup> )
• for AWG cables	2x (18 14)
tightening torgue of the screws in the bracket	11.2 N·m
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	
ambient temperature	
-	-25 +70 °C
during operation	-23 +70 °C
• during storage     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)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	0.593 kg
global warming potential [CO2 eq] during manufacturing	0.625 kg
global warming potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.267 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Installation/ mounting/ dimensions	
fastening method	front plate mounting
<ul> <li>of modules and accessories</li> </ul>	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	7 mm		
Approvals Certificates		_	_		
General Product Appr	oval				
	CE EG-Konf.	UK CA	<u>Confirmation</u>	cULus	EHC
Test Certificates		other	Environment		
Special Test Certific- ate	Type Test Certific- ates/Test Report	<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations

## Further information

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=3SU1150-0AB40-1FA0

Cax online generator

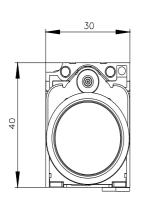
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0AB40-1FA0

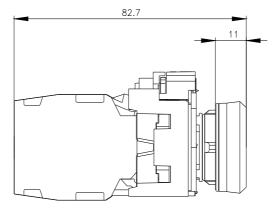
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

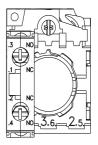
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0AB40-1FA0

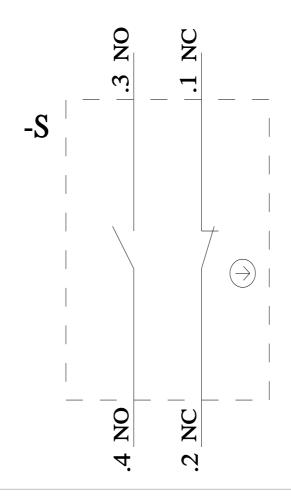
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-0AB40-1FA0&lang=en









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