## SIEMENS

## Data sheet

## 3SU1150-1BA20-3FA0-Z Y13



Mushroom pushbutton, 22 mm, round, metal, shiny, red, 40mm, latching, pull-to-unlatch mechanism, with holder, 1 NO+1 NC, spring-type terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

product brand name	SIRIUS ACT
product designation	Mushroom pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Metal, shiny, 22 mm
manufacturer's article number	
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-3FA0</u>
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1050-1BA20-0AA0</u>
Enclosure	
number of command points	1
Actuator	
principle of operation of the actuating element	latching
product extension optional light source	No
color of the actuating element	red
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, symbol compliant with ISO7000 and IEC60417
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	Metal, high gloss
color of the front ring	silver
Holder	
material of the holder	Plastic
Display	
number of LEDs	0
General technical data	
product function	
<ul> <li>positive opening</li> </ul>	Yes
<ul> <li>EMERGENCY OFF function</li> </ul>	No
EMERGENCY STOP function	No
product component light source	No
insulation voltage rated value	500 V
degree of pollution	3

type of voltage of the operating 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
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	1, 2, 3, 31, 4, 47, 12, 13
	ainuaaidal half waxa 15a / 11 ma
according to IEC 60068-2-27 vibration resistance	sinusoidal half-wave 15g / 11 ms
	10 500 Hz 5-
according to IEC 60068-2-6	10 500 Hz: 5g
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	Р
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 of modules and accessories	Spring-type terminal
type of connectable conductor cross-sections	
solid without core end processing	2x (0.25 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 0.75 mm <sup>2</sup> )
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 1.5 mm <sup>2</sup> )
at AWG cables	2x (0.25 16)
tightening torque of the screws in the bracket	1 1.2 N·m
	1 1. <b>2</b> Will
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)
	condensation in operation permitted for an devices benind nont partier)
Installation/ mounting/ dimensions	
featening method	
fastening method	Front plate mounting
of modules and accessories	Front plate mounting
of modules and accessories     height	40 mm
of modules and accessories     height     width	40 mm 40 mm
of modules and accessories     height     width     shape of the installation opening	40 mm 40 mm round
of modules and accessories height width shape of the installation opening mounting diameter	40 mm 40 mm round 22.3 mm
of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter	40 mm 40 mm round 22.3 mm 0.4 mm
of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter     mounting height	40 mm 40 mm round 22.3 mm 0.4 mm 27.5 mm
of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter	40 mm 40 mm round 22.3 mm 0.4 mm
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of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter     mounting height     installation width	40 mm 40 mm round 22.3 mm 0.4 mm 27.5 mm 40 mm
of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter     mounting height     installation width     installation depth	40 mm 40 mm round 22.3 mm 0.4 mm 27.5 mm 40 mm
of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter     mounting height     installation width     installation depth     Certificates/ approvals     Further information	40 mm 40 mm round 22.3 mm 0.4 mm 27.5 mm 40 mm 71.7 mm
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of modules and accessories     height     width     shape of the installation opening     mounting diameter     positive tolerance of installation diameter     mounting height     installation width     installation depth     Certificates/ approvals     Further information     Information- and Downloadcenter (Catalogs, Brochures,	40 mm 40 mm round 22.3 mm 0.4 mm 27.5 mm 40 mm 71.7 mm

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-1BA20-3FA0-Z Y13

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1BA20-3FA0-Z Y13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1BA20-3FA0-Z Y13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-1BA20-3FA0-Z Y13&lang=en

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