SIEMENS

Data sheet

3SU1152-0AB20-3FA0



Illuminated pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, Spring-type terminal

product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
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 	<u>3SU1400-1AA10-3FA0</u>
 of supplied LED module 	<u>3SU1401-1BB20-3AA0</u>
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>
 of the supplied actuator 	<u>3SU1051-0AB20-0AA0</u>
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
number of contact modules	1
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 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)
of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	

a according to IEC 60068 2 27	ainuacidal half wave 155 / 11 ma		
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms		
vibration resistance	40 - 500 Hz. 5-		
according to IEC 60068-2-6	10 500 Hz: 5g		
operating frequency maximum	3 600 1/h		
mechanical service life (operating cycles) typical	3 000 000		
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		
SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5		
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)		
Supply voltage			
type of voltage of the supply voltage of the light source	AC/DC		
supply voltage of the light source at AC			
• at 50 Hz rated value	24 V		
• at 60 Hz rated value	24 V		
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	spring-loaded terminals		
 of modules and accessories 	Spring-type terminal		
type of connectable conductor cross-sections			
 solid without core end processing 	2x (0.25 1.5 mm²)		
 finely stranded with core end processing 	2x (0.25 0.75 mm ²)		
 finely stranded without core end processing 	2x (0.25 1.5 mm ²)		
 for AWG cables 	2x (24 16)		
tightening torgue of the screws in the bracket	1 1.2 N·m		
Lamp			
type of light source	LED		
color of the light source	red		
light intensity	450 1 120 mcd		
Ambient conditions			
ambient temperature			
during operation	-25 +70 °C		
during storage	-40 +80 °C		
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in		
60721	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		
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			
Approvals Certificates				

General Product Approval

	CE EG-Konf.	UK CA	<u>Confirmation</u>		(UL) III
General Product Approval	Test Certificates		Marine / Shipping		
EHC	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyd's Register urs	PRS
Marine / Shipping	other				
RINA	<u>Confirmation</u>				

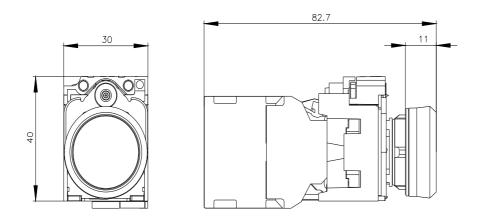
Further information	
Siemens has decided to exit the Russian market (see here).	
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business	
Siemens is working on the renewal of the current EAC certificates.	
Please contact your local Siemens office on the status of validity of the EAC certification if yo EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).	u intend to import or offer to supply these products to an
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=3SU1152-0AB20-3FA0	

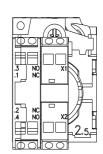
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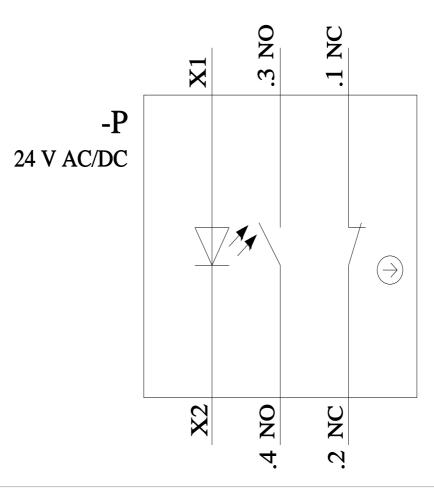
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB20-3FA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB20-3FA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1152-0AB20-3FA0&lang=en







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