# SIEMENS

### Data sheet

## 3SU1152-0AB40-1BA0



Illuminated pushbutton, 22 mm, round, metal, shiny, green, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 24 V AC/DC, screw 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			
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BB40-1AA0</u>		
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1051-0AB40-0AA0</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	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			
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	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)		
of the terminal	IP20		
of the terminal     degree of protection NEMA rating	IP20 1, 2, 3, 3R, 4, 4X, 12, 13		

<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms		
vibration resistance	Sindsoldar hair-wave rog / 11 his		
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	5 10 A: for a short-circuit current smaller than 400 A		
continuous current of the guick DIAZED fuse link			
continuous current of the DIAZED fuse link gG	10 A		
Substance Prohibitance (Date)	10 A 10/01/2014		
SUbstance Promotance (Date)	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	0		
number of NO contacts for auxiliary contacts	1		
Connections/ Terminals			
type of electrical connection	screw-type terminals		
	screw-type terminals Screw-type terminal		
type of electrical connection			
type of electrical connection • of modules and accessories			
type of electrical connection <ul> <li>of modules and accessories</li> </ul> <li>type of connectable conductor cross-sections</li>	Screw-type terminal		
type of electrical connection <ul> <li>of modules and accessories</li> </ul> <li>type of connectable conductor cross-sections <ul> <li>solid with core end processing</li> </ul> </li>	Screw-type terminal 2x (0.5 0.75 mm <sup>2</sup> )		
<ul> <li>type of electrical connection         <ul> <li>of modules and accessories</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>solid with core end processing</li> <li>solid without core end processing</li> </ul> </li> </ul>	Screw-type terminal 2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> )		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)		
type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)		
<ul> <li>type of electrical connection <ul> <li>of modules and accessories</li> </ul> </li> <li>type of connectable conductor cross-sections <ul> <li>solid with core end processing</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables</li> </ul> </li> <li>tightening torque of the screws in the bracket</li> </ul>	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (1.8 14)         1 1.2 N·m		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (1.8 14)         1 1.2 N·m		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m		
type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m		
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type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m         LED         green         900 1 800 mcd		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature         • during operation         • during storage	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)         2x (1.0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m         LED         green         900 1 800 mcd         -25 +70 °C         -40 +80 °C		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m         LED         green         900 1 800 mcd         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m         LED         green         900 1 800 mcd         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)         2x (1.0 1,5 mm²)         2x (1.8 14)         1 1.2 N·m         0.8 0.9 N·m		
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type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] total	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m         LED         green         900 1 800 mcd         -25 +70 °C         -40 +80 °C         3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Yes         0.593 kg		
type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals         Lamp         type of light source         color of the light source         light intensity         Ambient conditions         ambient temperature         • during operation         • during storage         environmental category during operation according to IEC 60721         Environmental Product Declaration(EPD)         Global Warming Potential [CO2 eq] total         Global Warming Potential [CO2 eq] during manufacturing	Screw-type terminal         2x (0.5 0.75 mm²)         2x (1.0 1.5 mm²)         2x (0.5 1.5 mm²)         2x (1,0 1,5 mm²)         2x (1,0 1,5 mm²)         2x (18 14)         1 1.2 N·m         0.8 0.9 N·m         LED         green         900 1 800 mcd		

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	49.7 mm			
Approvals Certificates				

**General Product Approval** 

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

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 you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1152-0AB40-1BA0

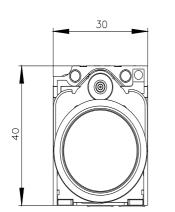
Cax online generator

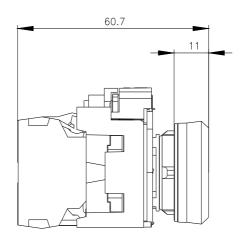
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-0AB40-1BA0

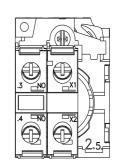
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

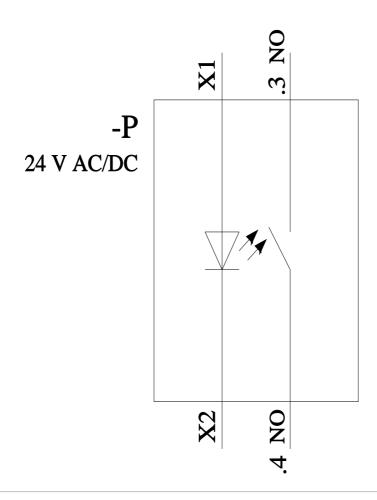
https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-0AB40-1BA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1152-0AB40-1BA0&lang=en









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