## SIEMENS

## Data sheet

## 3SU1132-0AB30-3FA0-Z Y12



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, yellow, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, spring-type 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 with metal front ring, matt, 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 supplied LED module</li> </ul>	<u>3SU1401-1BB30-3AA0</u>
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1031-0AB30-0AA0</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	yellow
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	Metal, matt
color of the front ring	sand gray
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	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
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
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 allov
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	1 1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 spring-loaded terminals
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories	1 1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections	1 1 spring-loaded terminals Spring-type terminal
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid without core end processing	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> )
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid without core end processing         • finely stranded with core end processing	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> )
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> )
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16)
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • 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	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> )
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • 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         Lamp	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • 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         Lamp         type of light source	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions</li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>ambient temperature</li> </ul> </li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow 900 1 400 mcd
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions</li> <li>ambient temperature         <ul> <li>during operation</li> </ul> </li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow 900 1 400 mcd -25 +70 °C
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>autions</li> <li>aution geration</li> <li>during storage</li> </ul> </li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow 900 1 400 mcd -25 +70 °C -40 +80 °C
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions</li> <li>ambient temperature         <ul> <li>during operation</li> </ul> </li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow 900 1 400 mcd -25 +70 °C
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>aubient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC</li> </ul> </li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions</li> <li>ambient temperature             <ul> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li>	1 1 spring-loaded terminals Spring-type terminal 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 0.75 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (24 16) 1 1.2 N·m LED yellow 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>ambient temperature</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li>	1         1         spring-loaded terminals         Spring-type terminal         2x (0.25 1.5 mm²)         2x (0.25 0.75 mm²)         2x (0.25 1.5 mm²)         2x (24 16)         1 1.2 N·m         LED         yellow         900 1 400 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)         front plate mounting
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>ambient temperature</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>fastening method</li> <li>of modules and accessories</li> </ul> </li>	1         1         spring-loaded terminals         Spring-type terminal         2x (0.25 1.5 mm²)         2x (0.25 0.75 mm²)         2x (0.25 1.5 mm²)         2x (24 16)         1 1.2 N·m         LED         yellow         900 1 400 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)
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of ro AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>ambient temperature</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>fastening method</li> </ul> </li>	1         spring-loaded terminals         Spring-type terminal         2x (0.25 1.5 mm²)         2x (0.25 0.75 mm²)         2x (0.25 1.5 mm²)         2x (0.25 1.5 mm²)         2x (24 16)         1 1.2 N·m         LED         yellow         900 1 400 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)         front plate mounting         Front plate mounting
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>aubient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>height</li> <li>width</li> </ul> </li>	1         spring-loaded terminals         Spring-type terminal         2x (0.25 1.5 mm²)         2x (0.25 0.75 mm²)         2x (0.25 1.5 mm²)         2x (0.25 1.5 mm²)         2x (24 16)         1 1.2 N·m         LED         yellow         900 1 400 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)         Front plate mounting         Front plate mounting         40 mm         30 mm
number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection <ul> <li>of modules and accessories</li> <li>type of connectable conductor cross-sections</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>of r AWG cables</li> </ul> <li>tightening torque of the screws in the bracket</li> <li>Lamp</li> <li>type of light source</li> <li>color of the light source</li> <li>light intensity</li> <li>Ambient conditions         <ul> <li>aubient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> </ul> </li> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>height</li> </ul> </li>	1         spring-loaded terminals         Spring-type terminal         2x (0.25 1.5 mm²)         2x (0.25 0.75 mm²)         2x (0.25 1.5 mm²)         2x (0.25 1.5 mm²)         2x (24 16)         1 1.2 N·m         LED         yellow         900 1 400 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)         ront plate mounting         Front plate mounting         40 mm

positive tolerance of installation diameter	0.4 mm
mounting height	11 mm
installation width	29.5 mm
installation depth	71.7 mm
Certificates/ approvals	

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 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=3SU1132-0AB30-3FA0-Z Y12

Cax online generator

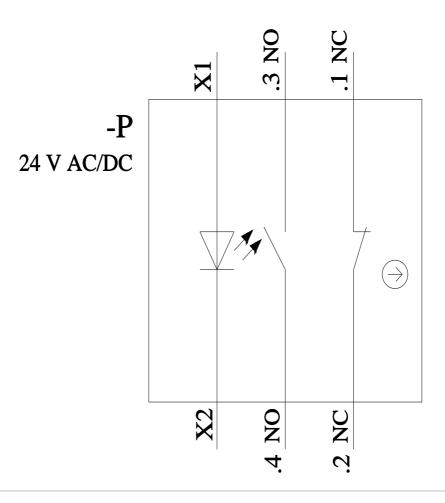
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1132-0AB30-3FA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB30-3FA0-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=3SU1132-0AB30-3FA0-Z Y12&lang=en



last modified:

1/26/2022 🖸

## **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: A6X30142669