Data sheet

3SU1400-1CK10-1AA0



LED test module operating voltage 6-240 V AC/DC, screw terminal, for front plate mounting, for LED modules (6-24 V AC/DC, 24 V AC/DC, 24-240 V AC/DC) 1x (L-) and 2x (L+)

product brand name product designation product type designation SIRIUS ACT LED test module 3SU1

General technical data product component

product component	
• diode	Yes
 lamp transformer 	No
• light source	No
series resistor	No
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
for actuation	AC/DC
surge voltage resistance rated value	4 kV
consumed current maximum	0 mA
protection class IP	
 of the enclosure 	IP40
of the terminal	IP20
shock resistance	
 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
 for railway applications according to EN 61373 	Category 1, Class B
operating period typical	100 000 h
reference code according to IEC 81346-2	W
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
 at 50 Hz rated value 	12 240 V
— at 60 Hz rated value	12 240 V
 at DC rated value 	12 240 V
relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage	20 %

inrush current maximum

type of electrical connection

type of connectable conductor cross-sectionssolid with core end processing

• solid without core end processing

screw-type terminals

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

3 A

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 0.8 ... 0.9 N·m

ATEX
 IECEx

No No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 60721

3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening methodFront plate mounting● of modules and accessoriesFront plate mountingheight36 mmwidth9.8 mm

width9.8 mmdepth25 mmsuitability for integration25 mm

plastic enclosuremetal enclosureYes

Certificates/ approvals

General Product Approval





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other Environment







Confirmation

Environmental Confirmations

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=3SU1400-1CK10-1AA0

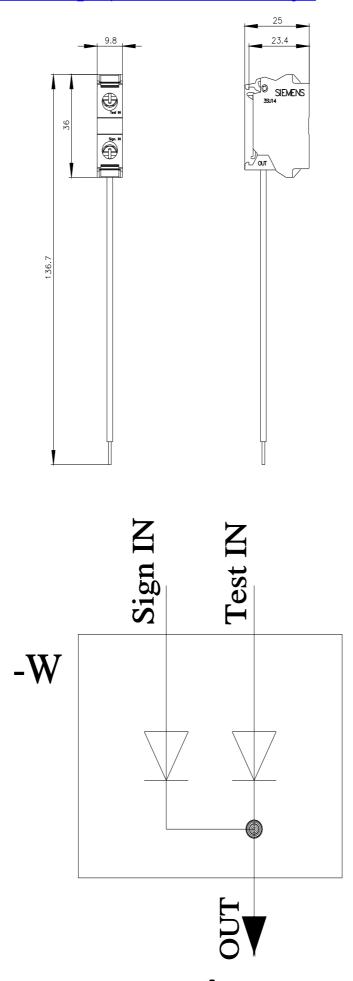
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1CK10-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1CK10-1AA0

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



last modified:

Data sheet

3SU1401-1BB00-1AA0



LED module with integrated LED 24 V AC/DC, amber, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation

SIRIUS ACT LED module

product designation	LED Module
product type designation	3SU1
General technical data	
product component	
• diode	Yes
 lamp transformer 	No
light source	Yes
 series resistor 	No
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
for actuation	AC/DC
surge voltage resistance rated value	4 kV
consumed current maximum	25 mA
protection class IP	
 of the enclosure 	IP40
of the terminal	IP20
shock resistance	
 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
 for railway applications according to EN 61373 	Category 1, Class B
operating period typical	100 000 h
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
operating voltage 1	
• at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V
at DC rated value	24 V
relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage	20 %
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	

solid with core end processingsolid without core end processing

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (0.5 ... 1.5 mm²)
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

type of light source LED color of the light source light intensity 450 ... 1 120 mcd

certificate of suitability

● ATEX

• IECEx

No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

● of modules and accessories

Front plate mounting

 height
 33.2 mm

 width
 9.8 mm

 depth
 29.4 mm

suitability for integration
plastic enclosure
metal enclosure
Yes
Yes

Certificates/ approvals

General Product Approval Declaration of Conformity Test Certificates

Confirmation









Special Test Certificate

Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











other Environment

<u>Confirmation</u> <u>Environmental Confirmations</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 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)

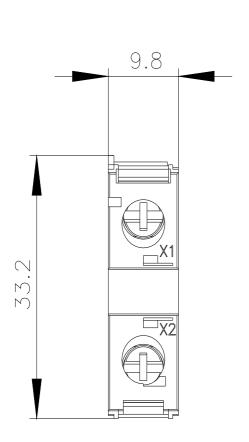
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB00-1AA0

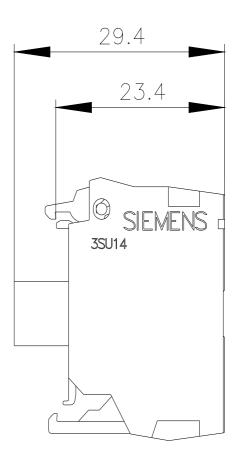
Cax online generator

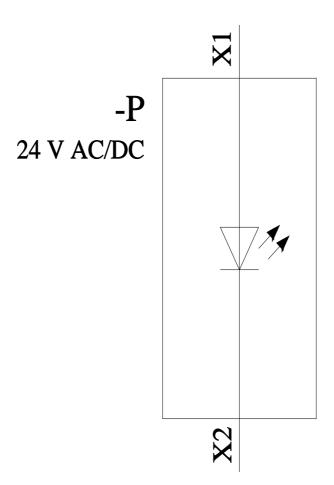
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB00-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB00-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB00-1AA0&lang=en







Data sheet

3SU1401-1BB20-1AA0



LED module with integrated LED 24 V AC/DC, red, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

product component Yes • diode • lamp transformer No • light source Yes · series resistor No insulation voltage rated value 320 V degree of pollution AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sectionssolid with core end processing

• solid without core end processing

screw-type terminals

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (0.5 ... 1.5 mm²)
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

type of light source
color of the light source
light intensity
certificate of suitability

LED
red
450 ... 1 120 mcd

ATEX
 No
 IECEx
 No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

● of modules and accessories

Front plate mounting

 height
 33.2 mm

 width
 9.8 mm

 depth
 29.4 mm

suitability for integration
plastic enclosure
metal enclosure
Yes
Yes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certific-

<u>ate</u>

Type Test Certificates/Test Report







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

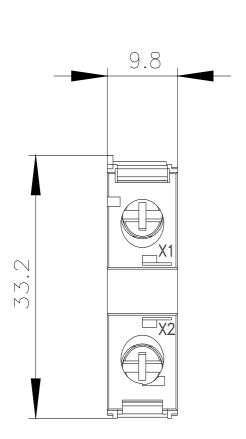
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB20-1AA0

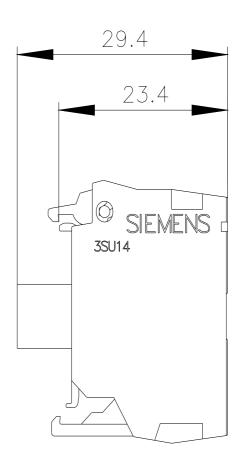
Cax online generator

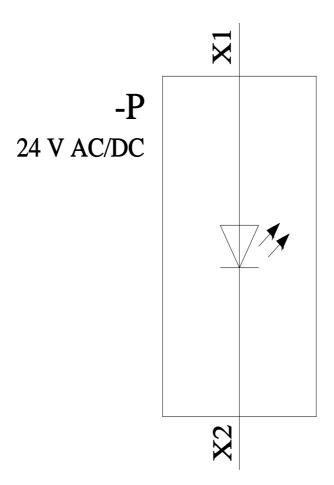
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB20-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB20-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB20-1AA0&lang=en







Data sheet

3SU1401-1BB20-3AA0



LED module with integrated LED 24 V AC/DC, red, Spring-loaded terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

product component Yes • diode • lamp transformer No • light source Yes · series resistor No insulation voltage rated value 320 V degree of pollution AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 25 % relative negative tolerance of the operating voltage 30 % Control circuit/ Control inrush current maximum 2 A

Connections/ Terminals
type of electrical connection

type of connectable conductor cross-sectionssolid without core end processing

• finely stranded with core end processing

spring-loaded terminals

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 0.75 mm²)

• finely stranded without core end processing 2x (0.25 ... 1.5 mm²) at AWG cables 2x (24 ... 16) Lamp type of light source LED color of the light source red light intensity 450 ... 1 120 mcd certificate of suitability ATEX No IECEx No **Ambient conditions** ambient temperature -25 ... +70 °C · during operation -40 ... +80 °C · during storage environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no

29.4 mm

Installation/ mounting/ dimensions

fastening method

of modules and accessoriesheightwidthFront plate mounting36 mm9.8 mm

depth suitability for integration

plastic enclosuremetal enclosureYesYes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation





condensation in operation permitted)





Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

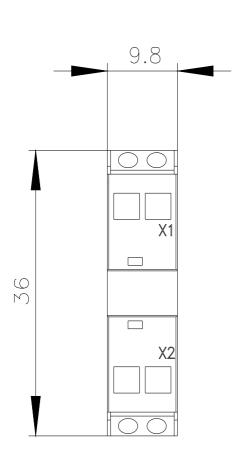
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB20-3AA0

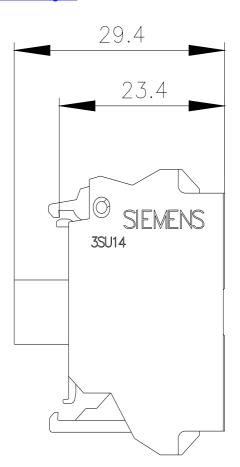
Cax online generator

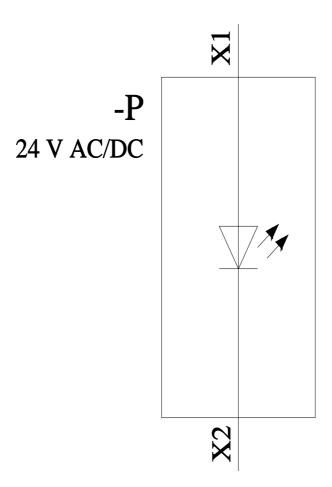
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BB20-3AA0}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB20-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB20-3AA0&lang=en







Data sheet

3SU1401-1BB30-1AA0



LED module with integrated LED 24 V AC/DC, yellow, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V degree of pollution 3 AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections

• solid with core end processing

• solid without core end processing

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (0.5 ... 1.5 mm²)
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

Lamp

type of light source
color of the light source
light intensity

LED
yellow
900 ... 1 400 mcd

certificate of suitability

● ATEX

• IECEx

No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

● of modules and accessories

Front plate mounting

 height
 33.2 mm

 width
 9.8 mm

 depth
 29.4 mm

suitability for integration
plastic enclosure
metal enclosure
Yes
Yes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

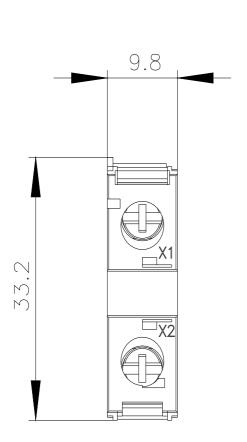
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB30-1AA0

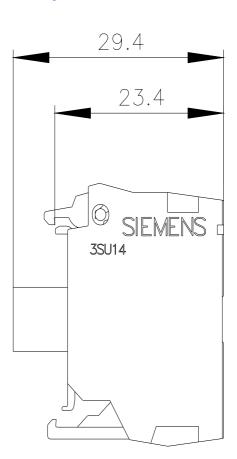
Cax online generator

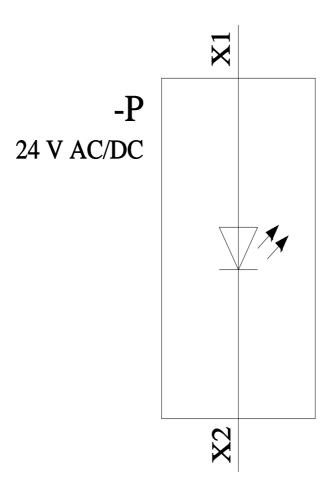
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB30-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB30-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB30-1AA0&lang=en







Data sheet

3SU1401-1BB30-3AA0



LED module with integrated LED 24 V AC/DC, yellow, Spring-loaded terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

product component Yes • diode • lamp transformer No • light source Yes · series resistor No insulation voltage rated value 320 V degree of pollution 3 AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 25 % relative negative tolerance of the operating voltage 30 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sectionssolid without core end processing

• finely stranded with core end processing

spring-loaded terminals

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 0.75 mm²)

• finely stranded without core end processing

2x (0.25 ... 1.5 mm²) 2x (24 ... 16)

900 ... 1 400 mcd

Front plate mounting

LED yellow

Lamp

type of light source color of the light source

light intensity

certificate of suitability

at AWG cables

ATEX

No IECEx No

Ambient conditions

ambient temperature

-25 ... +70 °C · during operation -40 ... +80 °C · during storage

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

• of modules and accessories

36 mm height width 9.8 mm depth 29.4 mm suitability for integration

 plastic enclosure Yes metal enclosure Yes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

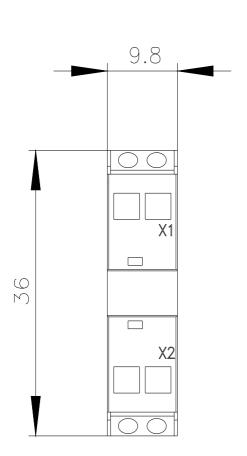
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB30-3AA0

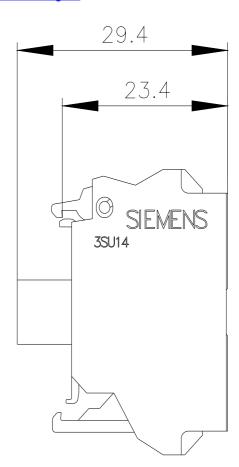
Cax online generator

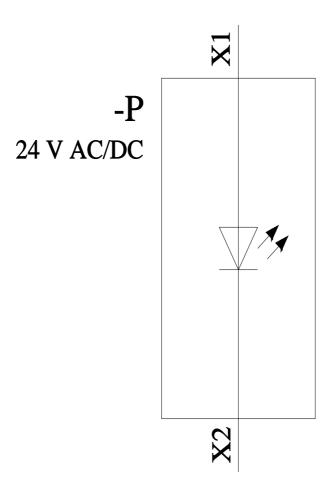
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BB30-3AA0}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB30-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB30-3AA0&lang=en







Data sheet

3SU1401-1BB40-1AA0



LED module with integrated LED 24 V AC/DC, green, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes · series resistor No insulation voltage rated value 320 V degree of pollution 3 AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 ... 0.75 mm²)

• solid without core end processing

2x (1.0 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²) • finely stranded with core end processing • finely stranded without core end processing 2x (1,0 ... 1,5 mm²) • at AWG cables 2x (18 ... 14) tightening torque with screw-type terminals 0.8 ... 0.9 N·m

Lamp

LED type of light source color of the light source green light intensity 900 ... 1 400 mcd

certificate of suitability ATEX No IECEx No

Ambient conditions

ambient temperature -25 ... +70 °C during operation -40 ... +80 °C • during storage

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method Front plate mounting • of modules and accessories height 33.2 mm

width 9.8 mm depth 29.4 mm suitability for integration

• plastic enclosure Yes • metal enclosure Yes

Certificates/ approvals

Declaration of EMC General Product Approval Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate









Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

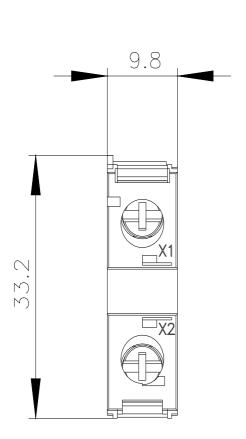
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB40-1AA0

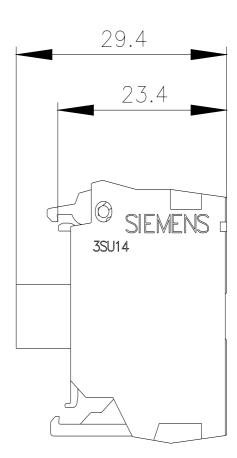
Cax online generator

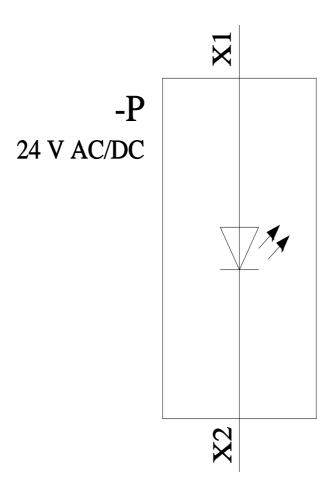
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB40-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB40-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB40-1AA0&lang=en







Data sheet

3SU1401-1BB40-3AA0



LED module with integrated LED 24 V AC/DC, green, Spring-loaded terminal, for front plate mounting, Minimum order quantity 5 or a multiple

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

General technical data

product	component
---------	-----------

- diode
- lamp transformer
- light source
- · series resistor

insulation voltage rated value

degree of pollution

type of voltage of the operating voltage

• for actuation

surge voltage resistance rated value

consumed current maximum

protection class IP

- of the enclosure
- of the terminal

shock resistance

- according to IEC 60068-2-27
- for railway applications according to EN 61373

vibration resistance

- according to IEC 60068-2-6
- for railway applications according to EN 61373

operating period typical

reference code according to IEC 81346-2

Substance Prohibitance (Date)

operating voltage 1

- at AC
 - at 50 Hz rated value
 - at 60 Hz rated value
- at DC rated value

relative positive tolerance of the operating voltage

Yes

No

Yes

No

320 V

3

AC/DC AC/DC

4 kV

25 mA

IP40

IP20

sinusoidal half-wave 15g / 11 ms

Category 1, Class B

10 ... 500 Hz: 5g

Category 1, Class B

100 000 h

10/01/2014

24 V

24 V 24 V

25 % 30 %

relative negative tolerance of the operating voltage

Control circuit/ Control

inrush current maximum 2 A

Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sections

- · solid without core end processing
- finely stranded with core end processing

spring-loaded terminals

2x (0.25 ... 1.5 mm²) 2x (0.25 ... 0.75 mm²) finely stranded without core end processingat AWG cables

2x (0.25 ... 1.5 mm²) 2x (24 ... 16)

900 ... 1 400 mcd

LED

green

Lamp

type of light source color of the light source

light intensity

certificate of suitability

ATEXIECEXNo

Ambient conditions

ambient temperature

during operation
 during storage
 -25 ... +70 °C
 -40 ... +80 °C

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

of modules and accessories
 Front plate mounting

height36 mmwidth9.8 mmdepth29.4 mmsuitability for integration

plastic enclosuremetal enclosureYes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation



EAC





Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certific-







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

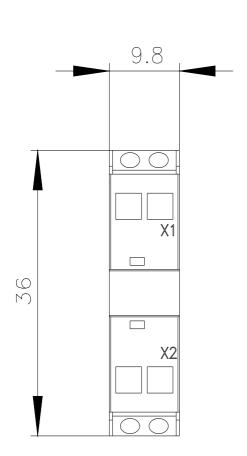
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB40-3AA0

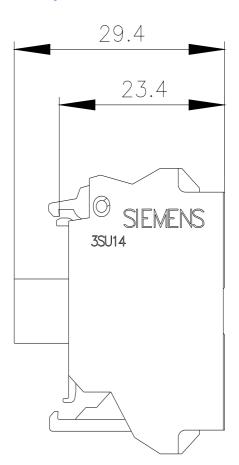
Cax online generator

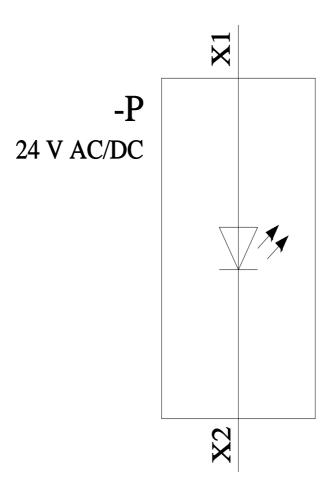
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BB40-3AA01201-1BB40-3AA01-1BB40-1BA01-1BA0-1BA01-1BA0-1BA01-1BA01-1BA01-1BA01-1BA01-1BA01-1BA01-1$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB40-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB40-3AA0&lang=en







Data sheet

3SU1401-1BB50-1AA0



LED module with integrated LED 24 V AC/DC, blue, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V degree of pollution 3 AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 ... 0.75 mm²)

• solid without core end processing

2x (1.0 ... 1.5 mm²)

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (0.5 ... 1.5 mm²)
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

type of light source Color of the light source blue light intensity Certificate of suitability

◆ ATEX
 No
 IECEx
 No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

 width
 9.8 mm

 depth
 29.4 mm

suitability for integration
plastic enclosure
metal enclosure
Yes
Yes

Certificates/ approvals

General Product Approval EMC

EMC Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

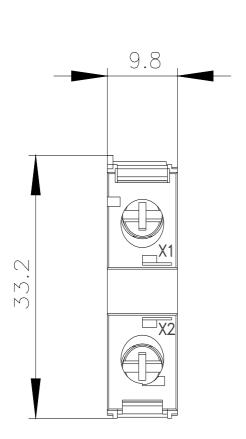
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB50-1AA0

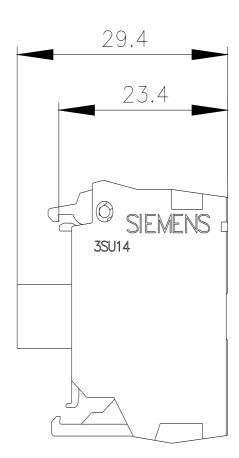
Cax online generator

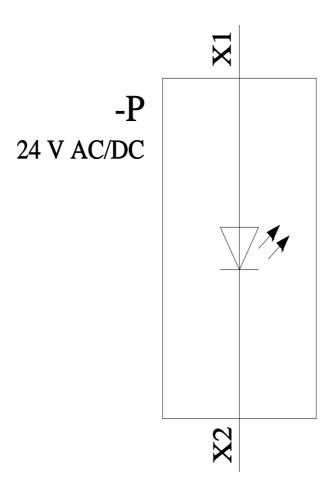
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB50-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB50-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB50-1AA0&lang=en







Data sheet

3SU1401-1BB50-3AA0



LED module with integrated LED 24 V AC/DC, blue, Spring-loaded terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes · series resistor No insulation voltage rated value 320 V degree of pollution 3 AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 25 % relative negative tolerance of the operating voltage 30 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals type of connectable conductor cross-sections

· solid without core end processing

• finely stranded with core end processing

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 0.75 mm²)

finely stranded without core end processing
 at AWG cables
 2x (0.25 ... 1.5 mm²)
 2x (24 ... 16)

Lamp

type of light sourceLEDcolor of the light sourcebluelight intensity280 ... 710 mcd

light intensity certificate of suitability

• ATEX No

Ambient conditions

ambient temperature

during operation
 during storage
 -25 ... +70 °C
 -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)

Installation/ mounting/ dimensions

fastening method

of modules and accessories
height
width
depth
Front plate mounting
36 mm
9.8 mm
29.4 mm

suitability for integration

plastic enclosuremetal enclosureYes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

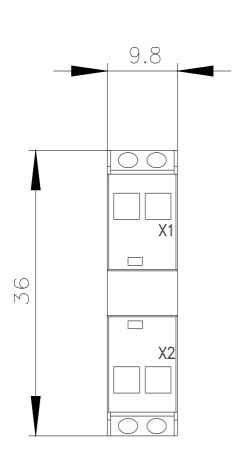
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB50-3AA0

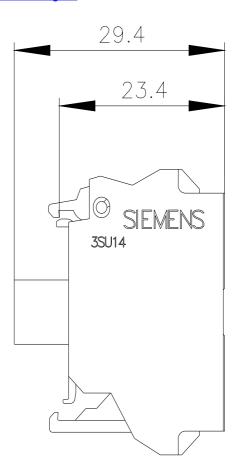
Cax online generator

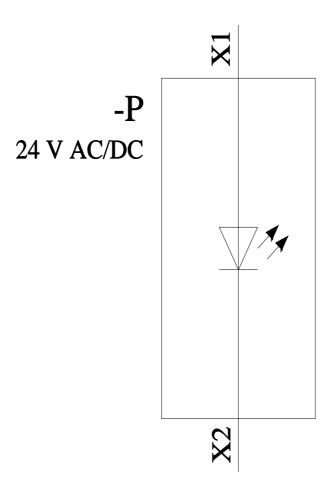
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BB50-3AA0}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB50-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB50-3AA0&lang=en







Data sheet

3SU1401-1BB60-1AA0



LED module with integrated LED 24 V AC/DC, white, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation

SIRIUS ACT LED module

product type designation	3SU1
General technical data	
product component	
• diode	Yes
 lamp transformer 	No
light source	Yes
series resistor	No
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
for actuation	AC/DC
surge voltage resistance rated value	4 kV
consumed current maximum	25 mA
protection class IP	
 of the enclosure 	IP40
of the terminal	IP20
shock resistance	
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
 for railway applications according to EN 61373 	Category 1, Class B
operating period typical	100 000 h
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
operating voltage 1	
• at AC	
— at 50 Hz rated value	24 V
— at 60 Hz rated value	24 V
 at DC rated value 	24 V
relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage	20 %
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	screw-type terminals

type of connectable conductor cross-sectionssolid with core end processing

• solid without core end processing

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (0.5 ... 1.5 mm²)
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

Lamp

type of light source
color of the light source
light intensity

LED
white
900 ... 1 400 mcd

certificate of suitability

● ATEX

• IECEx

No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-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)

Installation/ mounting/ dimensions

fastening method
• of modules and accessories

height33.2 mmwidth9.8 mmdepth29.4 mmsuitability for integration

plastic enclosure
 metal enclosure
 Yes

Certificates/ approvals

General Product Approval

ЕМС

Declaration of Conformity



Confirmation





Front plate mounting





Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

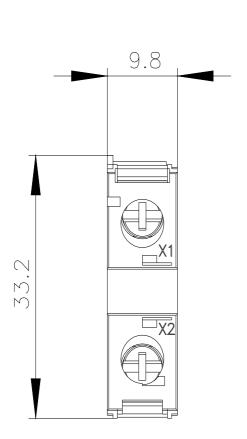
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB60-1AA0

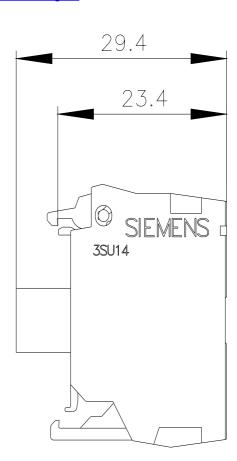
Cax online generator

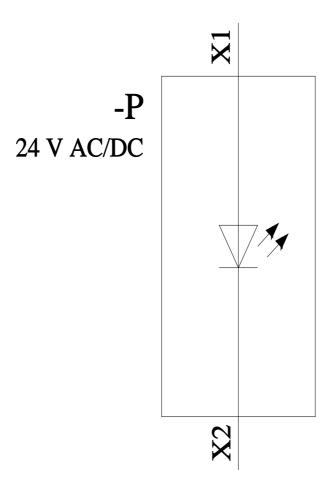
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB60-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB60-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB60-1AA0&lang=en







Data sheet

3SU1401-1BB60-3AA0



LED module with integrated LED 24 V AC/DC, white, Spring-loaded terminal, for front plate mounting, Minimum order quantity 5 or a multiple

product brand name product designation SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes · series resistor No insulation voltage rated value 320 V degree of pollution 3 AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 25 % relative negative tolerance of the operating voltage 30 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals type of connectable conductor cross-sections 2x (0.25 ... 1.5 mm²)

· solid without core end processing

• finely stranded with core end processing

2x (0.25 ... 0.75 mm²)

• finely stranded without core end processing

2x (0.25 ... 1.5 mm²) at AWG cables 2x (24 ... 16)

Lamp

type of light source LED color of the light source white

light intensity

certificate of suitability

ATEX No IECEx No

Ambient conditions

ambient temperature

-25 ... +70 °C · during operation -40 ... +80 °C · during storage

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

• of modules and accessories Front plate mounting

36 mm height width 9.8 mm depth 29.4 mm suitability for integration

 plastic enclosure Yes metal enclosure Yes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation



900 ... 1 400 mcd





Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certific-







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

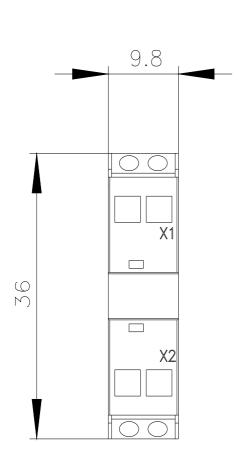
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB60-3AA0

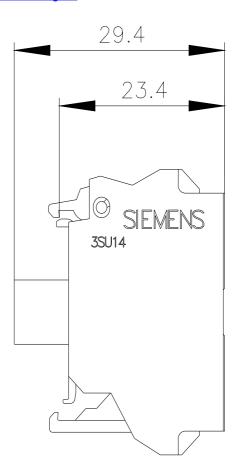
Cax online generator

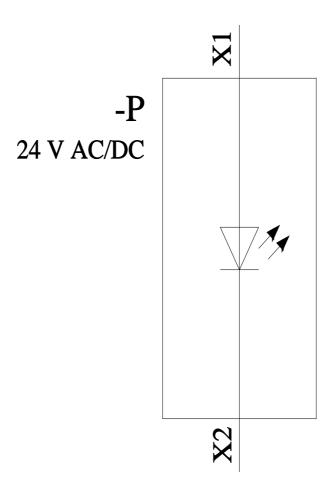
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BB60-3AA0}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB60-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB60-3AA0&lang=en







Data sheet

3SU1401-1BF00-1AA0



LED module with integrated LED 230 V AC, amber, screw terminal, for front plate mounting

product brand name product designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V degree of pollution 3 AC type of voltage of the operating voltage • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 230 V - at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % 20 % relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 ... 0.75 mm²)

· solid without core end processing

• finely stranded with core end processing

2x (1.0 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²)

finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

type of light source
color of the light source
light intensity
e ATEX

LED
amber
450 ... 1 120 mcd

IECEX
 Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Yes

No

Installation/ mounting/ dimensions

depth 29.4 mm suitability for integration

• plastic enclosure Yes

Certificates/ approvals

General Product Approval

metal enclosure

Declaration of Conformity

Confirmation











Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

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

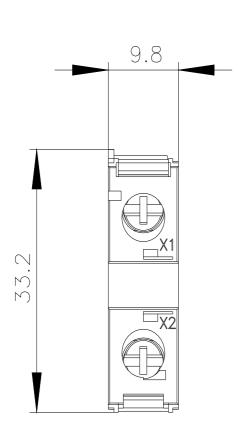
Industry Mall (Online ordering system)

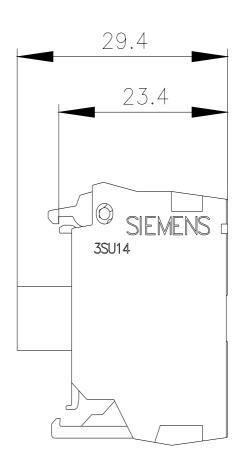
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BF00-1AA0

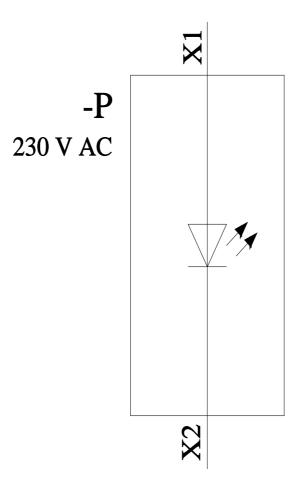
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF00-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF00-1AA0&lang=en







Data sheet

3SU1401-1BF20-1AA0



LED module with integrated LED 230 V AC, red, screw terminal, for front plate mounting

product brand name product designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V 3 degree of pollution AC type of voltage of the operating voltage • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 230 V - at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % 20 % relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 ... 0.75 mm²)

· solid without core end processing

• finely stranded with core end processing

2x (1.0 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²)

• finely stranded without core end processing
 • at AWG cables
 • at AWG cables
 • tightening torque with screw-type terminals

Lamp

Type of light source

LED

type of light source
color of the light source
light intensity
• ATEX
• IECEx

LED
red
450 ... 1 120 mcd

No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

 fastening method

 • of modules and accessories

 Front plate mounting

 height
 33.2 mm

 width
 9.8 mm

width 9.8 mm
depth 29.4 mm
suitability for integration

plastic enclosuremetal enclosureYes

Certificates/ approvals

General Product Approval

ЕМС



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

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

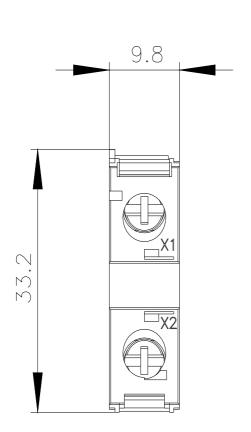
Industry Mall (Online ordering system)

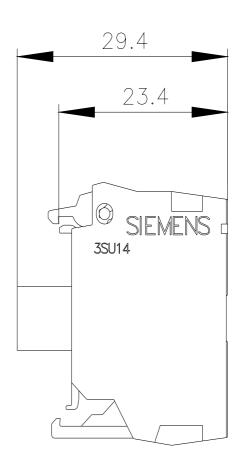
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BF20-1AA0

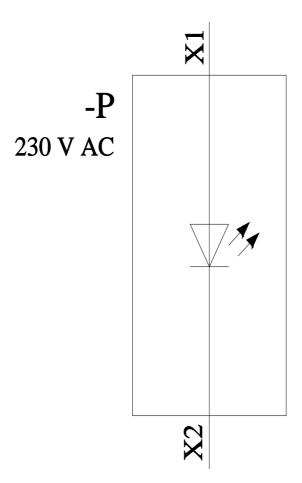
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF20-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF20-1AA0&lang=en







Data sheet

3SU1401-1BF30-1AA0



LED module with integrated LED 230 V AC, yellow, screw terminal, for front plate mounting

product brand name product designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V degree of pollution 3 AC type of voltage of the operating voltage • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 230 V - at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % 20 % relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections

• solid with core end processing

· solid without core end processing

• finely stranded with core end processing

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (1,0 ... 1,5 mm²) • finely stranded without core end processing • at AWG cables 2x (18 ... 14) 0.8 ... 0.9 N·m

tightening torque with screw-type terminals

LED type of light source yellow color of the light source light intensity 900 ... 1 400 mcd

certificate of suitability ATEX No IECEx No

Ambient conditions

ambient temperature -25 ... +70 °C during operation · during storage -40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method Front plate mounting • of modules and accessories height 33.2 mm width 9.8 mm depth 29.4 mm

suitability for integration

 plastic enclosure Yes metal enclosure Yes

Certificates/ approvals

General Product Approval

EMC



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

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

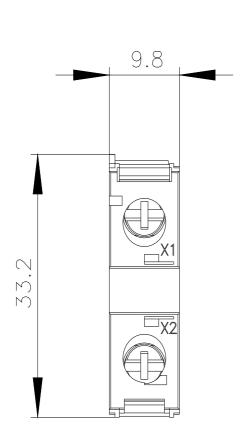
Industry Mall (Online ordering system)

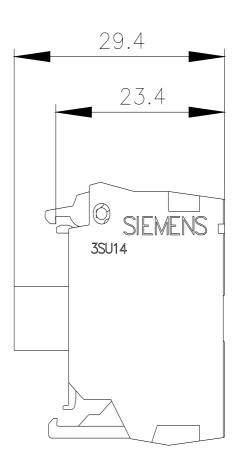
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BF30-1AA0

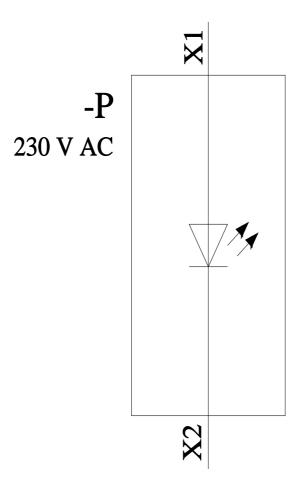
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF30-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF30-1AA0&lang=en







Data sheet

3SU1401-1BF40-1AA0



LED module with integrated LED 230 V AC, green, screw terminal, for front plate mounting

product brand name product designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V degree of pollution 3 AC type of voltage of the operating voltage • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 230 V - at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % 20 % relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 ... 0.75 mm²)

· solid without core end processing

• finely stranded with core end processing

2x (1.0 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²)

finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

type of light source
color of the light source
light intensity

LED
green
900 ... 1 400 mcd

certificate of suitability

• ATEX

• IECEX

No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening methodFront plate mounting● of modules and accessoriesFront plate mountingheight33.2 mmwidth9.8 mm

width 9.8 mm
depth 29.4 mm
suitability for integration

plastic enclosuremetal enclosureYes

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

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

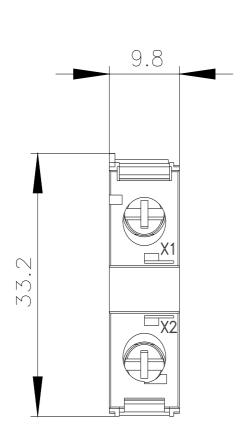
Industry Mall (Online ordering system)

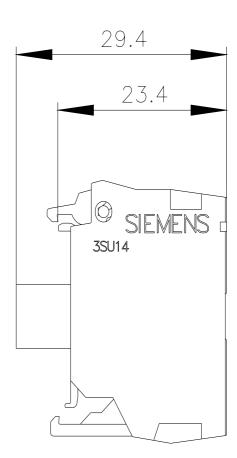
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BF40-1AA0

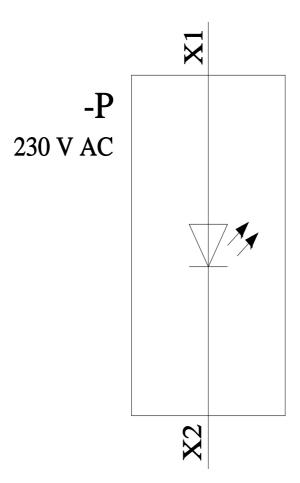
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF40-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF40-1AA0&lang=en







Data sheet

3SU1401-1BF50-1AA0



LED module with integrated LED 230 V AC, blue, screw terminal, for front plate mounting $\,$

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V 3 degree of pollution AC type of voltage of the operating voltage • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 230 V - at 60 Hz rated value 230 V relative positive tolerance of the operating voltage 20 % 20 % relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sectionssolid with core end processing

• finely stranded with core end processing

· solid without core end processing

screw-type terminals

2x (0.5 ... 0.75 mm²)

2x (1.0 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²)

type of light source

color of the light source
light intensity
eATEX

IECEx

LED

blue
280 ... 710 mcd

No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

suitability for integration

• plastic enclosure

• metal enclosure

Yes

Yes

Certificates/ approvals

General Product Approval



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

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

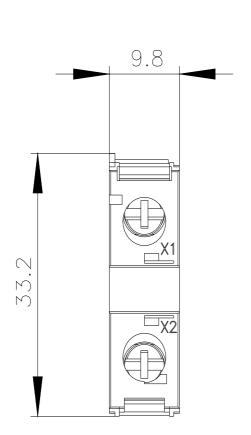
Industry Mall (Online ordering system)

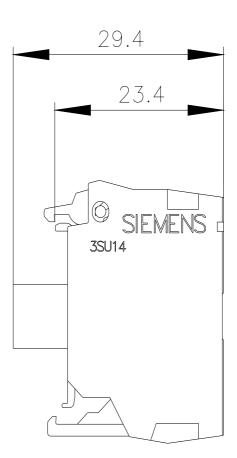
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BF50-1AA0

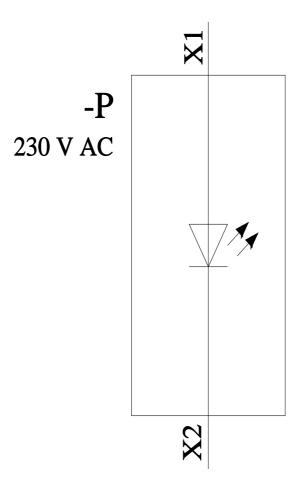
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BF50-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BF50-1AA0&lang=en







Data sheet

3SU1401-1BG40-3AA0



LED module with integrated LED 6-24V AC/DC green, Spring-loaded terminal, for front plate mounting

product brand name product designation product type designation SIRIUS ACT LED module

produc	t component
--------	-------------

- diode
- lamp transformer

type of voltage of the operating voltage

surge voltage resistance rated value

consumed current maximum

protection class IP

- of the enclosure

shock resistance

- according to IEC 60068-2-27
- for railway applications according to EN 61373

vibration resistance

- according to IEC 60068-2-6

operating period typical

reference code according to IEC 81346-2

operating voltage

- at 60 Hz rated value
- at DC rated value

relative negative tolerance of the operating voltage

3SU1

Yes

No

Yes

No

320 V

AC/DC

AC/DC

30 mA

4 kV

IP40

IP20

sinusoidal half-wave 15g / 11 ms

Category 1, Class B

Category 1, Class B

10 ... 500 Hz: 5g

General technical data

- light source
- series resistor

insulation voltage rated value

degree of pollution

• for actuation

- - of the terminal

• for railway applications according to EN 61373

Substance Prohibitance (Date)

- at AC
 - at 50 Hz rated value

relative positive tolerance of the operating voltage

10/01/2014

100 000 h

6 ... 24 V

6 ... 24 V

6 ... 24 V

20 % 20 %

Control circuit/ Control

inrush current maximum 2 A

Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sections

• solid without core end processing

• finely stranded with core end processing

spring-loaded terminals

2x (0.25 ... 1.5 mm²) 2x (0.25 ... 0.75 mm²) finely stranded without core end processingat AWG cables

2x (0.25 ... 1.5 mm²) 2x (24 ... 16)

900 ... 1 400 mcd

Lamp

type of light source LED color of the light source green

light intensity

ertificate of suitability

● ATEX

◆ ATEX No
 ◆ IECEx No

Ambient conditions

ambient temperature

during operation
 during storage
 -25 ... +70 °C
 -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)

Installation/ mounting/ dimensions

fastening method

of modules and accessoriesheightFront plate mounting36 mm

width 9.8 mm
depth 29.4 mm
suitability for integration

plastic enclosuremetal enclosureYes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

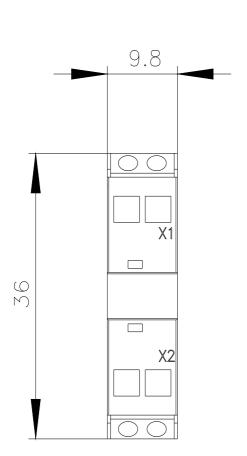
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG40-3AA0

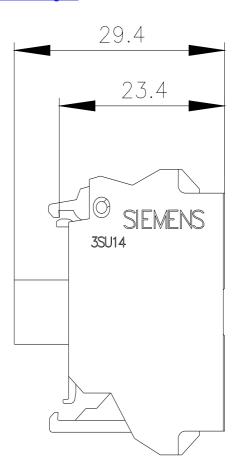
Cax online generator

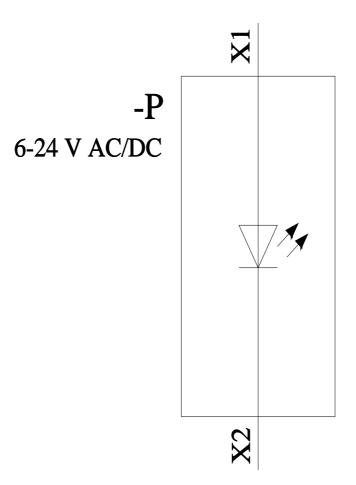
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BG40-3AA0}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG40-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG40-3AA0&lang=en







Data sheet

3SU1401-1BG50-3AA0



LED module with integrated LED 6-24V AC/DC blue, Spring-loaded terminal, for front plate mounting

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

General technical data

prod	luct	com	ponent
------	------	-----	--------

- diode

- · series resistor

degree of pollution

type of voltage of the operating voltage

• for actuation

surge voltage resistance rated value

consumed current maximum

protection class IP

- of the enclosure
- of the terminal

- according to IEC 60068-2-27
- for railway applications according to EN 61373

vibration resistance

- for railway applications according to EN 61373

operating period typical

reference code according to IEC 81346-2

operating voltage

- at AC
 - at 50 Hz rated value
 - at 60 Hz rated value
- at DC rated value

relative negative tolerance of the operating voltage

Yes

No

Yes

No

320 V

AC/DC

AC/DC

30 mA

4 kV

IP40

IP20

- lamp transformer
- light source

insulation voltage rated value

shock resistance

- according to IEC 60068-2-6

Substance Prohibitance (Date)

relative positive tolerance of the operating voltage

100 000 h

Category 1, Class B

Category 1, Class B

10 ... 500 Hz: 5g

sinusoidal half-wave 15g / 11 ms

10/01/2014

6 ... 24 V

6 ... 24 V

6 ... 24 V

20 % 20 %

2 A

Control circuit/ Control

inrush current maximum

Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sections

• solid without core end processing • finely stranded with core end processing

spring-loaded terminals

2x (0.25 ... 1.5 mm²) 2x (0.25 ... 0.75 mm²) finely stranded without core end processing
 at AWG cables
 2x (0.25 ... 1.5 mm²)
 2x (24 ... 16)

Lamp
type of light source

type of light sourceLEDcolor of the light sourcebluelight intensity280 ... 710 mcd

light intensity certificate of suitability

ATEX
 No
 IECEx
 No

Ambient conditions

ambient temperature

during operation
 during storage
 -25 ... +70 °C
 -40 ... +80 °C

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

of modules and accessories
height
width
depth
Front plate mounting
36 mm
9.8 mm
29.4 mm

suitability for integration

plastic enclosuremetal enclosureYesYes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

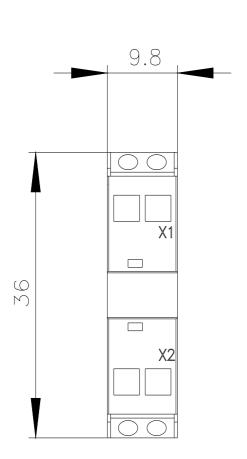
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG50-3AA0

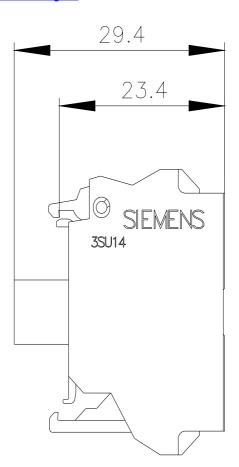
Cax online generator

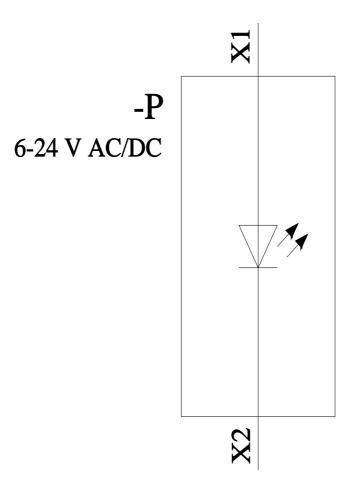
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BG50-3AA0}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG50-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG50-3AA0&lang=en







Data sheet

3SU1401-1BH20-3AA0



LED module with integrated LED, 24-240 V AC/DC, red, spring-type terminal, for front plate mounting

product brand name product designation product type designation SIRIUS ACT LED module 3SU1

Yes

No

Yes

No

320 V

AC/DC

AC/DC

20 mA

4 kV

IP40

IP20

sinusoidal half-wave 15g / 11 ms

Category 1, Class B

Category 1, Class B

10 ... 500 Hz: 5g

product	component
---------	-----------

- light source

insulation voltage rated value

degree of pollution

type of voltage of the operating voltage

• for actuation

surge voltage resistance rated value

consumed current maximum

protection class IP

- of the enclosure
- of the terminal

shock resistance

- according to IEC 60068-2-27
- for railway applications according to EN 61373

vibration resistance

operating period typical

operating voltage

- at 60 Hz rated value
- at DC rated value

relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage

General technical data

- diode
- lamp transformer
- · series resistor

- according to IEC 60068-2-6
- for railway applications according to EN 61373

reference code according to IEC 81346-2

Substance Prohibitance (Date)

- at AC
 - at 50 Hz rated value

24 ... 240 V

100 000 h

10/01/2014

24 ... 240 V 24 ... 240 V

20 %

30 %

Control circuit/ Control

inrush current maximum

Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sections

- solid without core end processing
- finely stranded with core end processing

3 A

spring-loaded terminals

2x (0.25 ... 1.5 mm²) 2x (0.25 ... 0.75 mm²)

• finely stranded without core end processing 2x (0.25 ... 1.5 mm²) at AWG cables 2x (24 ... 16) Lamp type of light source LED color of the light source red light intensity 450 ... 1 120 mcd certificate of suitability ATEX No IECEx No **Ambient conditions** ambient temperature -25 ... +70 °C · during operation -40 ... +80 °C · during storage

Installation/ mounting/ dimensions

environmental category during operation according to IEC

fastening method

of modules and accessories
 height
 width
 depth
 suitability for integration
 Front plate mounting
 36 mm
 9.8 mm
 29.4 mm

• metal enclosure Certificates/ approvals

General Product Approval

plastic enclosure

EMC





Confirmation

Yes

Yes



condensation in operation permitted)



3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no



Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

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)

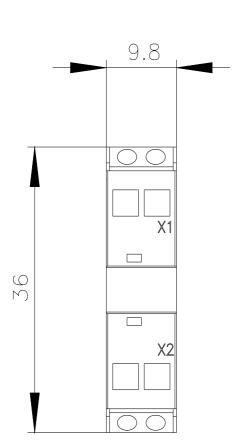
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BH20-3AA0

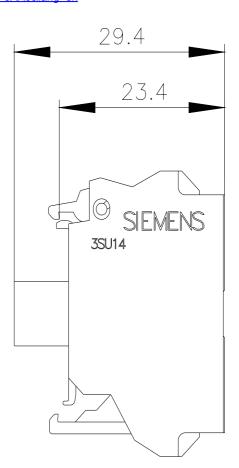
Cax online generator

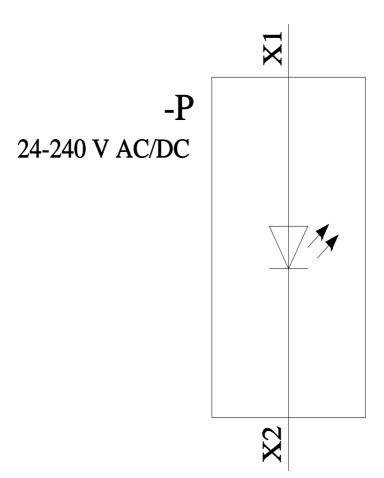
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1BH20-3AA0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH20-3AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH20-3AA0&lang=en







Data sheet

3SU1401-1BH60-1AA0



LED module with integrated LED, 24-240 V AC/DC, white, screw terminal, for front plate mounting

product brand name product designation product type designation LED module 3SU1

product component

Jui	uC	ιc	OII	ıμ	OH	en	ι

insulation voltage rated value

degree of pollution

type of voltage of the operating voltage

surge voltage resistance rated value

consumed current maximum

• of the terminal

shock resistance

• for railway applications according to EN 61373

vibration resistance

operating period typical

operating voltage

- at 60 Hz rated value

relative negative tolerance of the operating voltage

SIRIUS ACT

Yes

No

Yes

No

320 V

AC/DC

AC/DC

20 mA

4 kV

IP40

IP20

sinusoidal half-wave 15g / 11 ms

Category 1, Class B

Category 1, Class B

10 ... 500 Hz: 5g

diode

• lamp transformer

• light source

series resistor

• for actuation

protection class IP

• of the enclosure

• according to IEC 60068-2-27

• according to IEC 60068-2-6

• for railway applications according to EN 61373

reference code according to IEC 81346-2 **Substance Prohibitance (Date)**

at AC

- at 50 Hz rated value

• at DC rated value relative positive tolerance of the operating voltage 10/01/2014

100 000 h

24 ... 240 V 24 ... 240 V 24 ... 240 V

20 % 20 %

Control circuit/ Control

inrush current maximum 3 A

Connections/ Terminals

type of electrical connection

type of connectable conductor cross-sections

• solid with core end processing • solid without core end processing

2x (0.5 ... 0.75 mm²) 2x (1.0 ... 1.5 mm²)

screw-type terminals

finely stranded with core end processing
 finely stranded without core end processing
 at AWG cables
 tightening torque with screw-type terminals
 2x (0.5 ... 1.5 mm²)
 2x (1,0 ... 1,5 mm²)
 2x (18 ... 14)
 0.8 ... 0.9 N·m

type of light source
color of the light source
light intensity

LED
white
900 ... 1 400 mcd

certificate of suitability

● ATEX

No

• IECEx No

Ambient conditions

ambient temperature

• during operation

• during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

● of modules and accessories

Front plate mounting

height33.2 mmwidth9.8 mmdepth29.4 mmsuitability for integration

plastic enclosure
 metal enclosure
 Yes

Certificates/ approvals

General Product Approval EMC





Confirmation







Declaration of Conformity

Test Certificates Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other Environment







Confirmation

Environmental Confirmations

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)

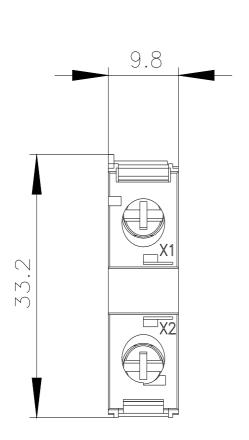
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BH60-1AA0

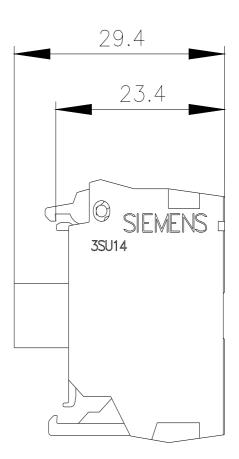
Cax online generator

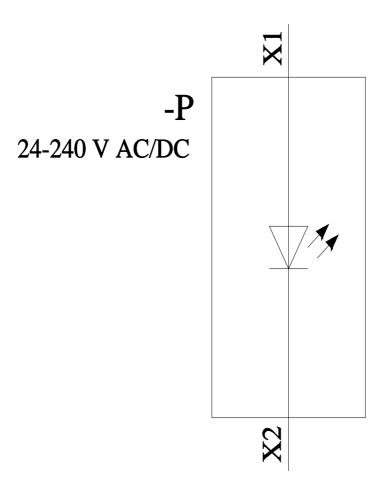
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH60-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH60-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BH60-1AA0&lang=en







Data sheet

3SU1401-2BB20-1AA0



LED module with integrated LED 24 V AC/DC, red, screw terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation

SIRIUS ACT LED module

product type designation	3SU1			
General technical data				
product component				
• diode	Yes			
 lamp transformer 	No			
light source	Yes			
series resistor	No			
insulation voltage rated value	320 V			
degree of pollution	3			
type of voltage of the operating voltage	AC/DC			
for actuation	AC/DC			
surge voltage resistance rated value	4 kV			
consumed current maximum	25 mA			
protection class IP				
 of the enclosure 	IP40			
of the terminal	IP20			
shock resistance				
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms			
 for railway applications according to EN 61373 	Category 1, Class B			
vibration resistance				
 according to IEC 60068-2-6 	10 500 Hz: 5g			
 for railway applications according to EN 61373 	Category 1, Class B			
operating period typical	100 000 h			
reference code according to IEC 81346-2	P			
Substance Prohibitance (Date)	10/01/2014			
operating voltage 1				
• at AC				
— at 50 Hz rated value	24 V			
— at 60 Hz rated value	24 V			
at DC rated value	24 V			
relative positive tolerance of the operating voltage	20 %			
relative negative tolerance of the operating voltage	20 %			
Control circuit/ Control				
inrush current maximum	2 A			
Connections/ Terminals				
type of electrical connection	screw-type terminals			
type of connectable conductor cross-sections				
 solid with core end processing 	2x (0.5 0.75 mm²)			

• solid without core end processing

2x (1.0 ... 1.5 mm²)

• finely stranded with core end processing 2x (0.5 ... 1.5 mm²) • finely stranded without core end processing 2x (1,0 ... 1,5 mm²) • at AWG cables 2x (18 ... 14) tightening torque with screw-type terminals 0.8 ... 0.9 N·m

Lamp LED type of light source color of the light source red light intensity 450 ... 1 120 mcd certificate of suitability

ATEX No IECEx No

Ambient conditions

ambient temperature -25 ... +70 °C during operation -40 ... +80 °C • during storage

environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method • of modules and accessories Floor mounting height 33.2 mm width 9.8 mm depth 29.4 mm

suitability for integration • plastic enclosure Yes • metal enclosure Yes

Certificates/ approvals

EMC General Product Approval

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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)

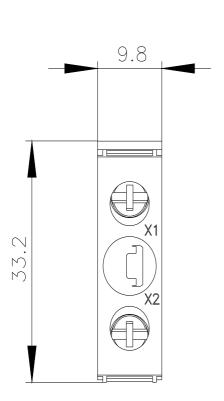
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BB20-1AA0

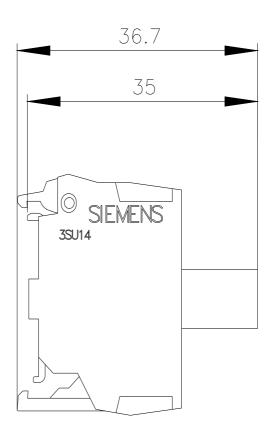
Cax online generator

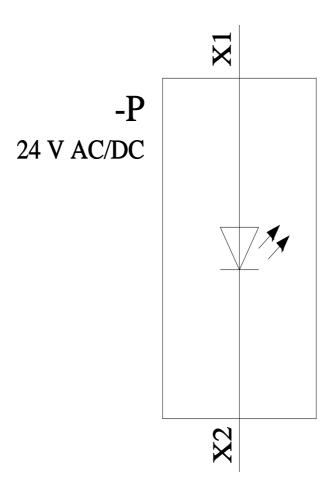
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB20-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB20-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB20-1AA0&lang=en







Data sheet

3SU1401-2BB40-3AA0



LED module with integrated LED 24 V AC/DC, green, Spring-loaded terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation SIRIUS ACT LED module

product component • diode • lamp transformer • light source series resistor insulation voltage rated value

type of voltage of the operating voltage • for actuation surge voltage resistance rated value

consumed current maximum protection class IP • of the enclosure

degree of pollution

• of the terminal shock resistance

• according to IEC 60068-2-27

• for railway applications according to EN 61373 vibration resistance

• according to IEC 60068-2-6

• for railway applications according to EN 61373 operating period typical

reference code according to IEC 81346-2 **Substance Prohibitance (Date)** operating voltage 1 at AC

— at 50 Hz rated value - at 60 Hz rated value

• at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage

3SU1

Yes

No

Yes

No

3 AC/DC

320 V

AC/DC

25 mA

4 kV

IP40

IP20

10 ... 500 Hz: 5g

Category 1, Class B

sinusoidal half-wave 15g / 11 ms

Category 1, Class B 100 000 h

10/01/2014

24 V 24 V 24 V 20 % 20 %

Control circuit/ Control

inrush current maximum 2 A

Connections/ Terminals

type of electrical connection type of connectable conductor cross-sections · solid without core end processing

• finely stranded with core end processing

spring-loaded terminals

2x (0.25 ... 1.5 mm²) 2x (0.25 ... 0.75 mm²) • finely stranded without core end processing

2x (0.25 ... 1.5 mm²) 2x (24 ... 16)

900 ... 1 400 mcd

LED

green

Lamp

type of light source color of the light source

light intensity

at AWG cables

certificate of suitability

tificate of suitability

• ATEX

ATEXIECEXNo

Ambient conditions

ambient temperature

during operation
 during storage
 -25 ... +70 °C
 -40 ... +80 °C

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

of modules and accessories
height
width
depth
Floor mounting
36 mm
9.8 mm
29.4 mm

suitability for integration
plastic enclosure
metal enclosure
Yes
Yes

Certificates/ approvals

General Product Approval

ЕМС

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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

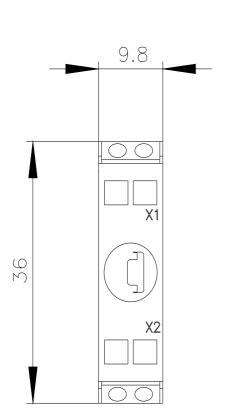
Industry Mall (Online ordering system)

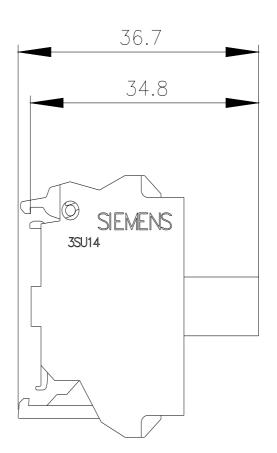
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BB40-3AA0

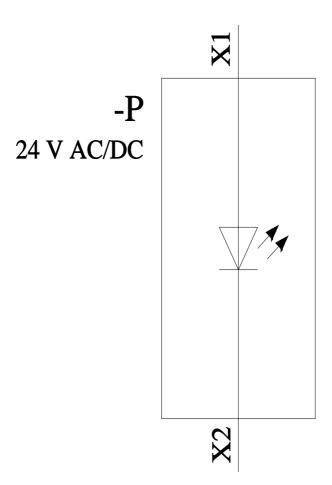
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB40-3AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB40-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB40-3AA0&lang=en







Data sheet

3SU1401-2BB60-3AA0



LED module with integrated LED 24 V AC/DC, white, Spring-loaded terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

product brand name product designation product type designation

SIRIUS ACT LED module

product type designation 3SU1 product component Yes • diode • lamp transformer No • light source Yes series resistor No insulation voltage rated value 320 V degree of pollution AC/DC type of voltage of the operating voltage AC/DC • for actuation surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP IP40 • of the enclosure IP20 • of the terminal shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 ... 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 **Substance Prohibitance (Date)** 10/01/2014 operating voltage 1 at AC — at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals type of connectable conductor cross-sections

· solid without core end processing

• finely stranded with core end processing

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 0.75 mm²)

• finely stranded without core end processing

2x (0.25 ... 1.5 mm²) at AWG cables 2x (24 ... 16)

Lamp

type of light source LED color of the light source white

light intensity certificate of suitability

ATEX No IECEx No

Ambient conditions

ambient temperature

-25 ... +70 °C · during operation -40 ... +80 °C · during storage

environmental category during operation according to IEC

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)

Installation/ mounting/ dimensions

fastening method

• of modules and accessories Floor mounting 36 mm height width 9.8 mm depth 29.4 mm

suitability for integration

 plastic enclosure Yes metal enclosure Yes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



Confirmation





900 ... 1 400 mcd





Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certific-

Type Test Certificates/Test Report







Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

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=3SU1401-2BB60-3AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB60-3AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB60-3AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB60-3AA0&lang=en

