## Data sheet 3SU1401-2BH30-3AA0



LED module with integrated LED, 24-240 V AC/DC, yellow, spring-type terminal, for floor mounting

product type designation product type designation ground type designation    SSU1	product brand name	SIRIUS ACT
Ceneral technical data   Product component	product designation	LED module
product component	product type designation	3SU1
e diode    lamp transformer   No	General technical data	
Ilight source	product component	
Ilight source   Yes     Series resistor   No     Insulation voltage rated value     degree of pollution     Sype of voltage of the operating voltage     For actuation     AC/DC     For actuation     AC/DC     For actuation     AC/DC     For actuation     For actuation     For actuation     For the terminal     For the terminal     For railway applications according to EC 60068-2-7     For railway applications according to EN 61373     For railway application	• diode	Yes
• series resistor  insulation voltage rated value degree of pollution  type of voltage of the operating voltage • for actuation AC/DC  • for actuation AC/DC  surge voltage resistance rated value consumed current maximum  protection class IP • of the enclosure • of the enclosure • for actuation  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  category 1, Class B  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  vibration resistance • according to IEC 80068-2-6 • for railway applications according to EN 61373  category 1, Class B  Vibration resistance • according to IEC 81346-2  P Substance Prohibitance (Date)  SVHC substance name  Bleic 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage • 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 rolative negative tolerance of the operating voltage	<ul> <li>lamp transformer</li> </ul>	No
Insulation voltage rated value   320 V	• light source	Yes
type of voltage of the operating voltage	• series resistor	No
type of voltage of the operating voltage	insulation voltage rated value	320 V
of ractuation	degree of pollution	3
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 of railway applications according to EN 61373  category 1, Class B  vibration resistance of railway applications according to EN 61373  category 1, Class B  category 1, Class B  category 1, Class B  category 1, Class B  operating period typical 100 000 h  reference code according to IEC 81346-2  Substance Prohibitance (Date)  substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage at AC  - at 50 Hz rated value - at 60 Hz rated value 24 240 V  at DC rated value 24 240 V  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage	type of voltage of the operating voltage	AC/DC
consumed current maximum  protection class IP  of the enclosure  of the terminal  shock resistance  according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  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)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  at AC  - at 50 Hz rated value  - at 60 Hz rated value  24 240 V  at DC rated value  24 240 V  relative positive tolerance of the operating voltage  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	for actuation	AC/DC
protection class IP	surge voltage resistance rated value	4 kV
of the enclosure     of the terminal     iP20  shock resistance     according to IEC 60068-2-27     of railway applications according to EN 61373  vibration resistance     according to IEC 60068-2-6     of railway applications according to EN 61373  operating period typical     reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Biei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage     at AC     -at 50 Hz rated value     -at 60 Hz rated value     at DC rated value     at D	consumed current maximum	20 mA
of the terminal     shock resistance         - according to IEC 60068-2-27         - for railway applications according to EN 61373	protection class IP	
shock resistance  according to IEC 60068-2-27  for railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  operating period typical  reference code according to IEC 81346-2  P  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  at AC  - at 50 Hz rated value  - at 60 Hz rated value  24 240 V  at DC rated value  24 240 V  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	<ul> <li>of the enclosure</li> </ul>	IP40
* according to IEC 60068-2-27     * for railway applications according to EN 61373     * 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     * P  Substance Prohibitance (Date)  SVHC substance name  **Blei - 7439-92-1** Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage     * at AC     * - at 50 Hz rated value     * - at 50 Hz rated value     * - at 60 Hz rated value     * * * at DC rated value     * * * * * at DC rated value     * * * * * at DC rated value     * * * * * at DC rated value     * * * * * at DC rated value     * * * * * at DC rated value     * * * * * at DC rated value     * * * * * at DC rated value     * * * * * * at DC rated value     * * * * * * * * * * * * * * * * *	of the terminal	IP20
• 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)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage     • at AC     — at 50 Hz rated value     — at 60 Hz rated value     • at DC rated value     • at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	shock resistance	
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)  SVHC substance name  Biei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value  • at DC rated value  • at DC rated value  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
according to IEC 60068-2-6  for railway applications according to EN 61373  category 1, Class B  operating period typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  at AC  - at 50 Hz rated value  - at 60 Hz rated value  at DC rated value  at DC rated value  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
of railway applications according to EN 61373     operating period typical     reference code according to IEC 81346-2     P Substance Prohibitance (Date)  SVHC substance name  Biei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage     • at AC     — at 50 Hz rated value     — at 60 Hz rated value     — at 60 Hz rated value     • at DC rated value     • at DC rated value     relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	vibration resistance	
operating period typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 24 240 V  • at DC rated value 24 240 V  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  Control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  at AC  — at 50 Hz rated value — at 60 Hz rated value 24 240 V  at DC rated value 24 240 V  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 24 240 V  • at DC rated value 24 240 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	operating period typical	100 000 h
SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 24 240 V  • at DC rated value 24 240 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage 20 %  Control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	reference code according to IEC 81346-2	P
Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5  operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 24 240 V  • at DC rated value 24 240 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum  3 A  Connections/ Terminals	Substance Prohibitance (Date)	10/01/2014
at AC  — at 50 Hz rated value — at 60 Hz rated value 24 240 V  at DC rated value 24 240 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  Control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
- at 50 Hz rated value 24 240 V - at 60 Hz rated value 24 240 V  ■ at DC rated value 24 240 V  relative positive tolerance of the operating voltage 20 %  relative negative tolerance of the operating voltage 20 %  Control circuit/ Control  inrush current maximum 3 A  Connections/ Terminals	operating voltage	
— at 60 Hz rated value 24 240 V  • at DC rated value 24 240 V  relative positive tolerance of the operating voltage 20 %  relative negative tolerance of the operating voltage 20 %  Control circuit/ Control  inrush current maximum 3 A  Connections/ Terminals	• at AC	
at DC rated value     24 240 V  relative positive tolerance of the operating voltage 20 %  relative negative tolerance of the operating voltage 20 %  Control circuit/ Control  inrush current maximum 3 A  Connections/ Terminals	— at 50 Hz rated value	24 240 V
relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  Control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	— at 60 Hz rated value	24 240 V
relative negative tolerance of the operating voltage  Control circuit/ Control  inrush current maximum  3 A  Connections/ Terminals	at DC rated value	24 240 V
Control circuit/ Control inrush current maximum 3 A Connections/ Terminals	relative positive tolerance of the operating voltage	20 %
inrush current maximum 3 A Connections/ Terminals	relative negative tolerance of the operating voltage	20 %
Connections/ Terminals	Control circuit/ Control	
	inrush current maximum	3 A
type of electrical connection spring-loaded terminals	Connections/ Terminals	
Spr at a contract of the contr	type of electrical connection	spring-loaded terminals

type of connectable conductor cross-sections	
type of confidentable conductor cross-sections	
solid without core end processing	2x (0.25 1.5 mm²)
finely stranded with core end processing	2x (0.25 0.75 mm²)
finely stranded without core end processing	2x (0.25 1.5 mm²)
• for AWG cables	2x (24 16)
connectable conductor cross-section finely stranded with core end processing	0.25 0.75 mm <sup>2</sup>
Lamp	
type of light source	LED
color of the light source	yellow
light intensity	900 1 400 mcd
certificate of suitability	
• ATEX	No
• IECEx	No
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
during storage	-40 +80 °C
	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg
Installation/ mounting/ dimensions	
fastening method	
of modules and accessories	Floor mounting
height	36 mm
	9.8 mm
width	
	29.4 mm



Confirmation









**EMC** 

**Declaration of Conformity** 

**General Product Approval** 

**Test Certificates** 

Marine / Shipping





Special Test Certificate
ate

Type Test Certificates/Test Report





Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

## urther 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)

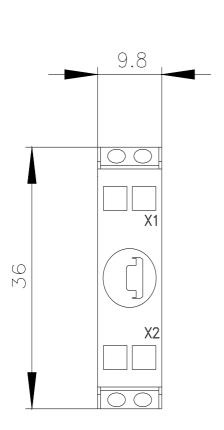
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BH30-3AA0

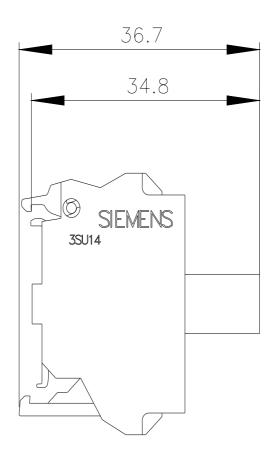
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BH30-3AA0

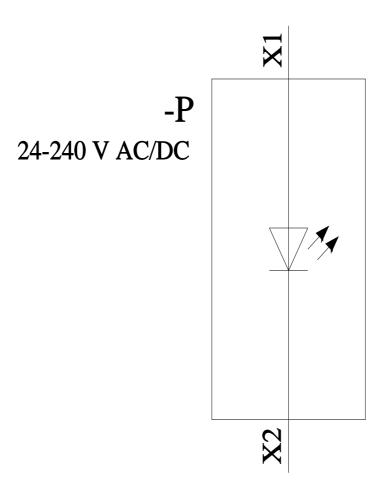
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BH30-3AA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1401-2BH30-3AA0&lang=en







last modified: 11/9/2023 🖸