3SU1401-2BB00-1AA0

## **Data sheet**



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

product type designation general technical data  product component	product brand name	SIRIUS ACT
General technical data  product component  • diode • lamp transformer • light source • light source • light source • series resistor • no  insulation voltage rated value  degree of pollution 3  type of voltage of the operating voltage • for actuation  surge voltage resistance rated value 25 mA  protection class IP • of the enclosure • of the enclosure • of the terminal  shock resistance • a according to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • a according to IEC 60068-2-6 • for railway applications according to EN 61373  category 1, Class B  vibration resistance • a coording to IEC 60068-2-6 • for railway applications according to EN 61373  Category 1, Class B  vibration resistance • according to IEC 80088-2-6 • for railway applications according to EN 61373  Category 1, Class B  vibration resistance • according to IEC 81346-2  P  Substance Prohibitance (Date)  operating period typical • at AC — at 50 Hz rated value — at 60 Hz	product designation	LED module
Product component   • diode   Yes   elamp transformer   No   No   No   No   No   No   No   N	product type designation	3SU1
• diode     • lamp transformer     • light source     • series resistor     No insulation voltage rated value     degree of pollution     3     type of voltage of the operating voltage     • for actuation     AC/DC     surge voltage resistance rated value     • for actuation     AC/DC     surge voltage resistance rated value     • for actuation     AC/DC     surge voltage resistance rated value     • for the operating voltage     • for the enclosure     • of the enclosure     • of the terminal     shock resistance     • according to IEC 60068-2-27     • for rallway applications according to EN 61373     vibration resistance     • according to IEC 60068-2-6     • for rallway 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     at DC rated value     relative positive tolerance of the operating voltage     relative negative tolerance of the operating voltage     relative positive tolerance of the operating voltage     relative negative tolerance of the operating voltage     vectors. Terminals     type of electrical connection	General technical data	
• lamp transformer • light source • series resistor Insulation voltage rated value degree of pollution 3 1ype of voltage of the operating voltage • for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 25 mA protection class IP • of the enclosure • of the terminal IP20 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 vibration resistance • according to IEC 80068-2-6 • for railway applications according to EN 61373 category 1, Class B  operating period typical 100 000 th reference code according to IEC 81346-2 Substance Prohibitiance (Date) operating voltage 1 • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value • at DC rated value relative positive tolerance of the operating voltage type of electrical connection screw-type terminals type of electrical connection	product component	
Series resistor   No	• diode	Yes
Series resistor  Insulation voltage rated value  degree of pollution  3  Yupe of voltage of the operating voltage  of or actuation  AC/DC  surge voltage resistance rated value  of the enclosure  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 60068-6  of or railway applications according to EN 61373  Category 1, Class B  vibration resistance  of railway applications according to EN 61373  category 1, Class B  operating period typical  operating period typical  reference code according to IEC 81346-2  Publishance Prohibitance (Date)  operating voltage 1  oat AC  at 50 Hz rated value  at CO Hz rated value  24 V  at DC rated value  24 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  2 A  Connections/ Terminals  type of electrical connection  screw-type terminals  type of electrical connection	<ul> <li>lamp transformer</li> </ul>	No
insulation voltage rated value  degree of pollution  3  type of voltage of the operating voltage  • for actuation  Surge voltage resistance rated value  • for actuation  AC/DC  surge voltage resistance rated value  4 kV  consumed current maximum  25 mA  protection class IP  • of the enclosure  • of the terminal  IP20  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  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 60 Hz rated value  — at 60 Hz rated value  24 V  • at DC rated value  100 000  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  2 A  Connections/ Terminals  type of electrical connection	• light source	Yes
degree of pollution  type of voltage of the operating voltage  • for actuation  • for actuation  • for actuation  Surge voltage resistance rated value  consumed current maximum  25 mA  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  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  vibration resistance  • according to IEC 81346-2  Pound on the control 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 60 Hz rated value  • at DC rated value  • at DC rated value  • at C rated value  • at DC rated value value  • at DC rated value value  • at DC rated value value value  • at DC rated value value value  • at DC rated value	<ul> <li>series resistor</li> </ul>	No
type of voltage of the operating voltage	insulation voltage rated value	320 V
of ractuation     surge voltage resistance rated value     consumed current maximum     protection class IP     of the enclosure     of the enclosure     of the terminal     shock resistance     occording to IEC 60068-2-27     of or railway applications according to EN 61373     vibration resistance     occording to IEC 60068-2-6     of or railway applications according to EN 61373     vibration resistance     ocacording to IEC 60068-2-6     of or railway applications according to EN 61373     category 1, Class B     overating period typical     reference code according to IEC 81346-2     P Substance Prohibitance (Date)     operating voltage 1     ot AC	degree of pollution	3
surge voltage resistance rated value consumed current maximum 25 mA  protection class IP of the enclosure of the terminal IP20  shock resistance according to IEC 60068-2-27 in 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 60 Hz rated value — at 50 Hz rated value  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage  type of electrical connection  screw-type terminals type of electrical connection  IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP4	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 ror railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of ror railway applications according to EN 61373  vibration resistance of ror railway applications according to EN 61373  vibration resistance of ror railway applications according to EN 61373  vibration resistance of ror railway applications according to EN 61373  category 1, Class B  vibration resistance of ror railway applications according to EN 61373  category 1, Class B  vibration PP  Substance Prohibitance (Date)  perating voltage 1 of AC of AC of AC of AC of Tated value of AC of Tated	<ul><li>for actuation</li></ul>	AC/DC
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 category 1, Class B  10 500 Hz: 5g category 1, Class B  category 1, Class B  10 500 Hz: 5g category 1, Class B  100 000 h  reference code according to IEC 81346-2 P  Substance Prohibitance (Date) operating voltage 1  at AC  at 50 Hz rated value at DC rated value at DC rated value at DC rated value 24 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum  2 A  Connections/ Terminals type of electrical connection  sinusoidal half-wave 15g / 11 ms Category 1, Class B  10 500 Hz: 5g Category 1, Class B  10 500 Hz:	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     category 1, Class B  vibration resistance     according to IEC 60068-2-6     of 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)  operating voltage 1     oat AC     — at 50 Hz rated value     — at 60 Hz rated value     at DC rated value     at DC rated value     at DC rated value     relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage screw-type terminals type of electrical connection screw-type terminals	consumed current maximum	25 mA
of the terminal     shock resistance         oaccording to IEC 60068-2-27         of railway applications according to EN 61373         Category 1, Class B  vibration resistance         oaccording to IEC 60068-2-6         of railway applications according to EN 61373         Category 1, Class B  vibration resistance         oaccording to IEC 60068-2-6         of 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)     operating voltage 1         oat AC	protection class IP	
shock resistance	<ul> <li>of the enclosure</li> </ul>	IP40
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     at DC rated value     relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control     inrush current maximum  according to IEC 61373  Category 1, Class B  10 500 Hz: 5g  Category 1, Class B  10 500 Hz: 6g  Category 1, Class B  10 500 Hz  Category 1, Class B  10 500 Hz  Category 1, Class B  10 500 Hz  Category 1,	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  category 1, Class B  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  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  Category 1, Class B  10 500 Hz: 5g  Category 1, Class B  10 500 Hz  100 00 h	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)  operating voltage 1  • 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  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  100 500 Hz: 5g  Category 1, Class B  10 500 Hz: 5g  Category 1, Class B  100 000 h  100 000 h  2 4 V  4 V  4 V  4 V  4 V  4 V  4 V  4	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
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)     operating voltage 1     oat AC	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
• 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     • at DC rated value  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  control circuit/ Control  inrush current maximum  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  Category 1, Class B  100 000 h  100 000 h  2 P  10/01/2014  2 4 V  2 4 V  2 4 V  2 2 4 V  2 0 %  Control circuit/ Control  is screw-type terminals	vibration resistance	
operating period typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  operating voltage 1  o at AC  — at 50 Hz rated value — at 60 Hz rated value  o at DC rated value  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  100 000 h  100 000 h  100 000 h  2 P  10/01/2014  24 V  24 V  24 V  24 V  24 V  20 %  Control circuit/ Control  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  screw-type 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)  operating voltage 1  • at AC  — at 50 Hz rated value — at 60 Hz rated value 24 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  control circuit/ Control  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  P  10/01/2014  24 V  24 V  24 V  26 V  27 V  28 V  29 V  20 V  20 V  20 V  Control circuit/ Control  inrush current maximum 2 A  Connections/ Terminals	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
Substance Prohibitance (Date)  operating voltage 1  o at AC  — at 50 Hz rated value — at 60 Hz rated value  o at DC rated value  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  relative control circuit/ Control  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  10/01/2014  24 V  24 V  24 V  20 %  20 %  Control circuit/ Control  inrush current maximum  2 A  Connections/ Terminals  screw-type terminals	operating period typical	100 000 h
operating voltage 1  • at AC  — at 50 Hz rated value — at 60 Hz rated value 24 V  • at DC rated value 24 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  Control circuit/ Control  inrush current maximum 2 A  Connections/ Terminals  type of electrical connection  screw-type terminals	reference code according to IEC 81346-2	P
<ul> <li>at AC <ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at DC rated value</li> <li>at DC rated value</li> </ul> </li> <li>relative positive tolerance of the operating voltage</li> <li>relative negative tolerance of the operating voltage</li> <li>20 %</li> <li>Control circuit/ Control</li> <li>inrush current maximum</li> <li>2 A</li> </ul> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>screw-type terminals</li>	Substance Prohibitance (Date)	10/01/2014
- at 50 Hz rated value - at 60 Hz rated value  ● at DC rated value  124 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  Control circuit/ Control inrush current maximum  2 A  Connections/ Terminals type of electrical connection  24 V  24 V  26 V  27 V  28 V  29 W  20	operating voltage 1	
- at 60 Hz rated value  • at DC rated value  24 V  relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  Control circuit/ Control inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  24 V  26 V  27 V  28 V  29 W  20	• at AC	
● at DC rated value  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  Control circuit/ Control  inrush current maximum  2 A  Connections/ Terminals  type of electrical connection  24 V  20 %  20 %  2 A	— at 50 Hz rated value	24 V
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage  Control circuit/ Control inrush current maximum  2 A  Connections/ Terminals type of electrical connection  20 %  20 %  20 %	— at 60 Hz rated value	24 V
relative negative tolerance of the operating voltage  Control circuit/ Control inrush current maximum  2 A  Connections/ Terminals type of electrical connection  screw-type terminals	at DC rated value	24 V
Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection screw-type terminals		20 %
inrush current maximum 2 A  Connections/ Terminals  type of electrical connection screw-type terminals	relative negative tolerance of the operating voltage	20 %
Connections/ Terminals type of electrical connection screw-type terminals	Control circuit/ Control	
type of electrical connection screw-type terminals	inrush current maximum	2 A
**	Connections/ Terminals	
type of connectable conductor cross-sections	type of electrical connection	screw-type terminals
	type of connectable conductor cross-sections	

<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	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	
type of light source	LED
color of the light source	amber
light intensity	450 1 120 mcd
certificate of suitability	
• ATEX	No
• IECEx	No
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +70 °C
during storage	-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	
<ul> <li>of modules and accessories</li> </ul>	Floor mounting
height	33.2 mm
width	9.8 mm
depth	29.4 mm
suitability for integration	
<ul> <li>plastic enclosure</li> </ul>	Yes
<ul> <li>metal enclosure</li> </ul>	Yes
Certificates/ approvals	

Certificates/ approvals

**General Product Approval** 

**Declaration of Conformity** 

**Test Certificates** 

Confirmation





UK Declaration of Conformity



Type Test Certificates/Test Report

**Test Certificates** 

Marine / Shipping

Special Test Certificate











other

Confirmation

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

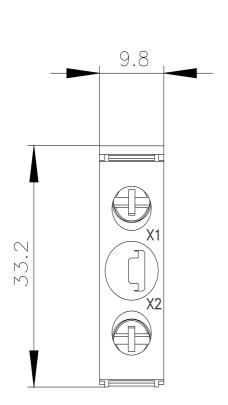
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-2BB00-1AA0

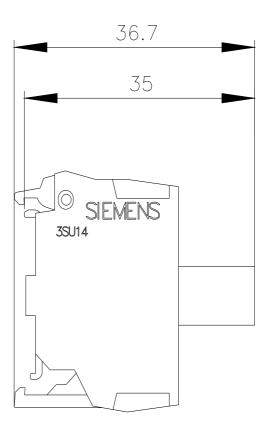
Cax online generator

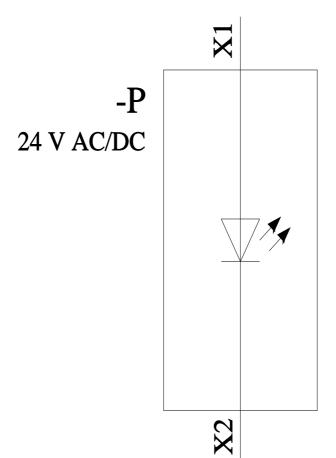
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-2BB00-1AA01$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB00-1AA0







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