3SU1401-1BC30-1AA0

Data sheet



LED module with integrated LED 110 V AC, yellow, screw terminal, for front plate mounting

Description	product brand name	SIRIUS ACT
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 • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP • of the enclosure IP40 • for 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 vibration resistance • according to IEC 60068-2-7 In 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 100/1/2014 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 • at AC — at 50 Hz rated value 110 V 110 V	product designation	LED module
product component • diode • lamp transformer • light source • series resistor No insulation voltage rated value degree of pollution 3 20 V degree of pollution 3 4 C • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP • of the enclosure • of the terminal IP20 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 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for rallway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for rallway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 81346-2 • for rallway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 81346-2 • for rallway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 81346-2 • for rallway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 81346-2 • for rallway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 81346-2 • for rallway applications according to IEC 81346-2 P Substance Prohibitance (Date) SVHC substance name Blei -7439-92-1 Blei -7439-	product type designation	3SU1
• 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 • for actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 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 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g • 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) 10/1/2014 SVHC substance name Blei- 7439-92-1 Blei- 7439-92-1 Blei- 7439-92-1 Blei-monoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 • at AC — at 50 Hz rated value 110 V — at 60 Hz rated value 110 V	General technical data	
 lamp transformer light source series resistor no insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC for actuation AC 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 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-methy/thiophenyl)-2-morpho - 71868-10-5 operating voltage 1 at AC — at 50 Hz rated value 110 V 110 V 	product component	
• light source • series resistor No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage • for actuation AC surge voltage resistance rated value 20 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 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 1 • at AC — at 50 Hz rated value — at 60 Hz rated value 110 V	• diode	Yes
• series resistor insulation voltage rated value degree of pollution type of voltage of the operating voltage of or actuation AC surge voltage resistance rated value consumed current maximum 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 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 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 vibration resistance according to IEC 81346-2 P Substance Prohibitance (Date) 100000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10001/2014 SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 at AC - at 50 Hz rated value 110 V - at 60 Hz rated value 110 V	lamp transformer	No
insulation voltage rated value degree of pollution type of voltage of the operating voltage of ractuation AC 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 10 500 Hz: 5g operating period typical reference code according to IEC 81346-2 Pusubstance 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 1 at AC — at 50 Hz rated value 110 ∨ − at 60 Hz rated value 110 ∨	• light source	Yes
degree of pollution type of voltage of the operating voltage of or actuation AC surge voltage resistance rated value 4 kV consumed current maximum 20 mA protection class IP of the enclosure of the enclosure if the terminal shock resistance oaccording to IEC 60068-2-27 of or railway applications according to EN 61373 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 operating period typical reference code according to IEC 81346-2 P Substance Prohibitance (Date) SVHC substance name Biei - 7439-92-1 Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 oat AC - at 50 Hz rated value - at 60 Hz rated value 110 V 110 V	series resistor	No
type of voltage of the operating voltage	insulation voltage rated value	320 V
for actuation surge voltage resistance rated value consumed current maximum protection class IP of the enclosure of the terminal lP20 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 railway applications according to EN 61373 vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1, Class B vibration resistance or railway applications according to EN 61373 category 1,	degree of pollution	3
surge voltage resistance rated value consumed current maximum protection class IP 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 of railway applications according to EN 61373 category 1, Class B category 1, Class B vibration resistance 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) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 of at AC — at 50 Hz rated value — at 60 Hz rated value 110 V 110 V	type of voltage of the operating voltage	AC
consumed current maximum protection class IP 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 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) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 output at AC — at 50 Hz rated value — at 60 Hz rated value 110 V 110 V	for actuation	AC
protection class IP of the enclosure of the terminal IP20 shock resistance occording to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance occording to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance occording to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B 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 1 occording to IEC 81346-2 I occording to IEC 81346-10-5 operating voltage 1 occording to IEC 81346-2 I oc	surge voltage resistance rated value	4 kV
 of the enclosure of the terminal IP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms ofor 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) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 at AC	consumed current maximum	20 mA
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	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 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 1 at AC — at 50 Hz rated value 110 V — at 60 Hz rated value 110 V	 of the enclosure 	IP40
according to IEC 60068-2-27	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 Oategory 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 1 • at AC — at 50 Hz rated value — at 60 Hz rated value 110 V 110 V	shock resistance	
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) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 • at AC — at 50 Hz rated value — at 60 Hz rated value 110 V	• according to IEC 60068-2-27	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 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 at AC — at 50 Hz rated value 110 V 110 V 110 V 	 for railway applications according to EN 61373 	Category 1, Class B
• for railway applications according to EN 61373	vibration resistance	
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 1 • at AC — at 50 Hz rated value 110 V — at 60 Hz rated value 110 V	• according to IEC 60068-2-6	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 1 • at AC — at 50 Hz rated value — at 60 Hz rated value 110 V	 for railway applications according to EN 61373 	Category 1, Class B
Substance Prohibitance (Date) 10/01/2014 SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1	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 1	reference code according to IEC 81346-2	Р
Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 • at AC — at 50 Hz rated value — at 60 Hz rated value 110 V	Substance Prohibitance (Date)	10/01/2014
◆ at AC — at 50 Hz rated value — at 60 Hz rated value 110 V 110 V	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
 at 50 Hz rated value at 60 Hz rated value 110 V 110 V 	operating voltage 1	
— at 60 Hz rated value 110 V	• at AC	
	— at 50 Hz rated value	110 V
relative positive tolerance of the operating voltage 20 %	— at 60 Hz rated value	110 V
	relative positive tolerance of the operating voltage	20 %
relative negative tolerance of the operating voltage 20 %	relative negative tolerance of the operating voltage	20 %
Control circuit/ Control	Control circuit/ Control	
inrush current maximum 3 A	inrush current maximum	3 A
Connections/ Terminals	Connections/ Terminals	
type of electrical connection screw-type terminals	type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	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)
for 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	yellow
light intensity	900 1 400 mcd
certificate of suitability	
• ATEX	No
• IECEx	No
Ambient conditions	
Ambient conditions	
ambient conditions ambient temperature	
	-25 +70 °C
ambient temperature	-25 +70 °C -40 +80 °C
ambient temperature • during operation	
ambient temperature	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
ambient temperature	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
ambient temperature	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)
ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) Front plate mounting
ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) Front plate mounting 33.2 mm
ambient temperature	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) Front plate mounting 33.2 mm 9.8 mm
ambient temperature	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) Front plate mounting 33.2 mm 9.8 mm
ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth suitability for integration	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted) Front plate mounting 33.2 mm 9.8 mm 29.4 mm

®

Confirmation









EMC

Declaration of Conformity

General Product Approval

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

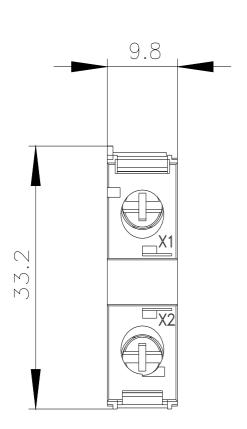
Industry Mall (Online ordering system)

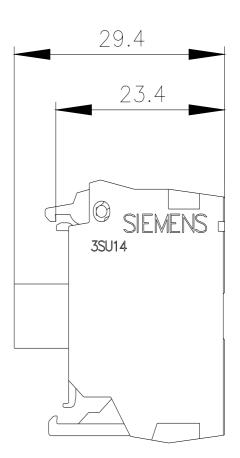
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BC30-1AA0

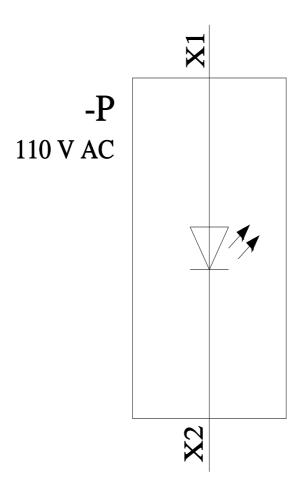
Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BC30-1AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1401-1BC30-1AA0&lang=en







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