Data sheet

3SU1401-2BG50-3AA0



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

product designation	product brand name	SIRIUS ACT		
Product type designation SSU1	<u> </u>			
product component • diode diode lamp transformer light source series resistor No insulation voltage rated value degree of pollution surge voltage rated value of or actuation soft remains soft remains socording 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 voltration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-7 of railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-7 of or railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-7 bin 500 Hz: 5g category 1, Class B overating period typical 100.000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 100.000 h leimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methytthiophenyl)-2-morpho - 71868-10-5 2-2,6-6-Tetrabrom-4,4-isopropylidendi - 79-94-7 operating voltage at AC — at 50 Hz rated value - at 60 Hz rated value - at 50 Hz rated value - at 60 H				
• diode • lamp transformer • light source • series resistor No insulation voltage rated value degree of pollution type of voltage of the operating voltage • for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 30 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 Protection the County of	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/DC for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum protection class IP of the enclosure if ye of the emolosure of the terminal IP20 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 reference code according to IEC 81346-2 P Substance Prohibitance (Date) 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-methythhophenyl)-2-morpho - 71868-10-5 2.2.6,6-Tetrabrom-4,4-isopropylidendi - 79-94-7 operating voltage at AC — at 50 Hz rated value at DC rated value 6 24 V at DC rated value at DC rated value at DC rated value at DC rated value to the operating voltage et all DC rated value at DC rated value for act value at AC 	product component			
Series resistor No	• diode	Yes		
series resistor insulation voltage rated value degree of pollution stype 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 insulation resistance according to IEC 60068-2-27 for 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 of or railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 81346-2 operating period typical 100 000 b reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2-2,2,6,6-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage at AC — at 50 Hz rated value - at 60 Hz rated value of 24 V at DC rated value of 24 V of at DC rated value of 24 V	• lamp transformer	No		
Insulation voltage rated value 320 V	• light source	Yes		
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 30 mA protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance sinusoidal half-wave 15g / 11 ms • 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 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 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2-2', 6-"-Tetrabrom-4, 4"-isopropylidendi - 79-94-7 operating voltage at AC — at 50 Hz rated value 6 24 V — at 0D rated value 6 24 V	• series resistor	No		
type of voitage of the operating voltage	insulation voltage rated value	320 V		
of ractuation AC/DC surge voltage resistance rated value Ac // DC surge voltage resistance rated value Ac // DC surge voltage resistance	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 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 of railway applications according to EN 61373 category 1, Class B operating period typical operating period typical reference code according to IEC 81346-2 P Substance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage of at AC - at 50 Hz rated value - at 60 Hz rated value of m. 24 V - at 60 Hz rated value of m. 24 V relative positive 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 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 P Substance Prohibitance (Date) SVHC substance name Beleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage o at AC — at 50 Hz rated value - at 60 Hz rated value o at DC rated value	• for actuation	AC/DC		
protection class IP of the enclosure of the terminal IP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms 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 operating period typical reference code according to IEC 81346-2 P Substance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2,6,6-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage ot AC - at 50 Hz rated value - at 60 Hz rated value - at 60 Hz rated value - at DC rated value	surge voltage resistance rated value	4 kV		
of the enclosure of the terminal lP20 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 for railway applications according to EN 61373 category 1, Class B category 1, Class B operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 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 6 24 V relative positive tolerance of the operating voltage	consumed current maximum	30 mA		
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 operating period typical	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) 10/01/2014 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage at AC - at 50 Hz rated value - at 60 Hz rated value 6 24 V at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	• of the enclosure	IP40		
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 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 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value at DC rated value	of the terminal	IP20		
of railway applications according to EN 61373 Category 1, Class B vibration resistance	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 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	• 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 Substance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage at AC at 50 Hz rated value at 60 Hz rated value at DC rated value at DC rated value at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	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 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value • at DC rated value 20 %	• according to IEC 60068-2-6	10 500 Hz: 5g		
reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	for railway applications according to EN 61373	Category 1, Class B		
Substance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	operating period typical			
SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value 10 methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 6 24 V • at DC rated value 20 %	reference code according to IEC 81346-2	P		
2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value at DC rated value at DC rated value 6 24 V relative positive tolerance of the operating voltage 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 6 24 V 6 24 V 20 %	Substance Prohibitance (Date)	10/01/2014		
• at AC	SVHC substance name	2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5		
— at 50 Hz rated value 6 24 V — at 60 Hz rated value 6 24 V ● at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	operating voltage			
 — at 60 Hz rated value 6 24 V • at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 % 	• at AC			
● at DC rated value 6 24 V relative positive tolerance of the operating voltage 20 %	— at 50 Hz rated value	6 24 V		
relative positive tolerance of the operating voltage 20 %	— at 60 Hz rated value	6 24 V		
	at DC rated value	6 24 V		
relative negative tolerance of the operating voltage 20 %	relative positive tolerance of the operating voltage	20 %		
Total To Togal To Coloration of the operating total of	relative negative tolerance of the operating voltage	20 %		
Control circuit/ Control	Control circuit/ Control			
inrush current maximum 2 A	inrush current maximum	2 A		
Connections/ Terminals	Connections/ Terminals			
type of electrical connection spring-loaded terminals	type of electrical connection	spring-loaded terminals		

type of connectable conductor cross-sections				
 solid without core end processing 	2x (0.25 1.5 mm²)	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 mm²			
Lamp				
type of light source	LED			
color of the light source	blue			
light intensity	280 710 mcd			
certificate of suitability				
• ATEX	No			
• IECEx	No			
Ambient conditions				
ambient temperature				
during operation	-25 +70 °C	-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)			
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			
width	9.8 mm			
depth	29.4 mm			
Approvals Certificates				
General Product Approval		EMC	Declaration of Con-	



General Product Approval

Confirmation









formity

Declaration of Con-

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=3SU1401-2BG50-3AA0

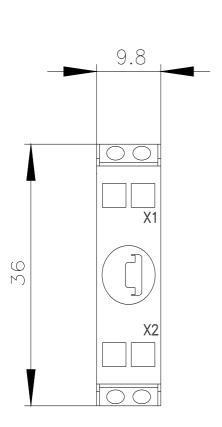
Cax online generator

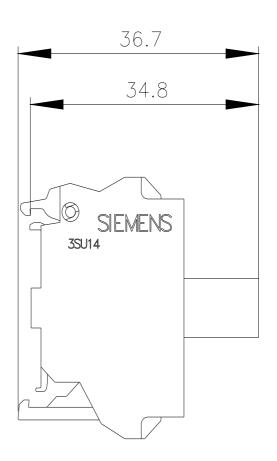
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BG50-3AA0

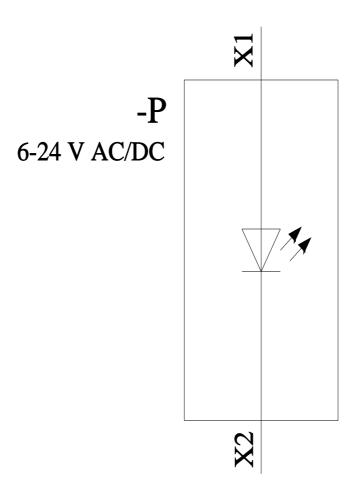
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BG50-3AA0

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







last modified: 11/9/2023 🖸