3SU1401-1BB30-1AA0

Data sheet



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 type designation SSU1	product brand name	SIRIUS ACT		
Product component • diode • diode • lamp transformer • light source • series resistor • No Insulation voltage rated value degree of pollution type of voltage of the operating voltage • for actuation • of the enclosure • according to IEC 80368-2-27 • for railway applications according to EB 81346-2 SUHC Substance Prohibitance (Date) SVHC Substance name • at AC — at 50 Hz rated value • at DC rated v	product designation	LED module		
product component	product type designation	3SU1		
e diode e lamp transformer e 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 AC/DC surge voltage resistance rated value AE/DC surge voltage resistance rated value AE/DC Surge voltage resistance AE/DC of the enclosure AE/DC IP40 of the enclosure AE/DC IP40 of the enclosure AE/DC IP40 of railway applications according to EN 61373 Category 1, Class B operating period typical Involved typical AD/OVI2014 SVHC substance Prohibitance (Date) Operating voltage 1 o	General technical data			
e lamp transformer elight source yes e series resistor No insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage for voltage of the operating voltage for voltage rated value AC/DC surge voltage resistance rated value AKV consumed current maximum 25 mA protection class IP of the enclosure of the terminal PP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms of rallway applications according to EN 61373 Category 1, Class B operating period typical reference code according to IEC 81346-2 PSUbstance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 Z-Methyl-1-(4-methylthiophernyl)-2-morpho - 71868-10-5 operating voltage 1 at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value 24 V at 10 Crated value 24 V relative positive tolerance of the operating voltage relative negative tolerance of the operating	product component			
Series resistor No No	• diode	Yes		
• series resistor insulation voltage rated value degree of pollution 3 20 V degree of pollution AC/DC • for actuation AC/DC surge 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 • of the terminal IP20 • according to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B operating period typical • for railway applications according to EN 61373 Category 1, Class B operating period typical • for railway applications according to IEC 81346-2 Pubstance Prohibitance (Date) SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthlophenyl)-2-morpho - 71868-10-5 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 relative positive tolerance of the operating voltage • at DC rated value relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum AC Connections/ Terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 0.75 mm²)	 lamp transformer 	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 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 Category 1, Class B operating period typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) SVHC substance Prohibitance (Date) • at AC — at 50 Hz rated value • at OHz rated value • at DC rated value • at DC rated value relative positive tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative nega	• light source	Yes		
degree of pollution 3 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 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 operating period typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/1/2014 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methythiophenyl)-2-morpho - 71868-10-5 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 % Connections/Terminals type of electrical connection screw-type terminals	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 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 operating voltage 1 o 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	type of voltage of the operating voltage	AC/DC		
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 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 operating voltage 1 at AC — at 50 Hz rated value — at 60 Hz rated value 24 V — at 60 Hz 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 connections/ Terminals type of electrical connection screw-type terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections according to IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP40	• for actuation	AC/DC		
protection class IP of the enclosure of the enclosure in the terminal shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms 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) 10/01/2014 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 o at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value 24 V o at DC rated value 24 V relative positive tolerance of the operating voltage 20 % relative negative tolerance of the operating voltage 20 % Controctions/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections of solid with core end processing 2x (0.5 0.75 mm²)	surge voltage resistance rated value	4 kV		
of the enclosure of the terminal iP20 shock resistance according to IEC 60068-2-27 of re railway applications according to EN 61373 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-methylthlophenyl)-2-morpho - 71868-10-5 operating voltage 1 at AC —at 50 Hz rated value —at 60 Hz rated value at 0C rated value at DC rated value at DC rated value inclusive negative 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 connectable conductor cross-sections solid with core end processing 2x (0.5 0.75 mm²)	consumed current maximum	25 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 operating period typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 SVHC substance name Beimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1 • at AC - at 50 Hz rated value 24 V - at 60 Hz 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)	protection class IP			
shock resistance according to IEC 60068-2-27 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 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 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 type of connectable conductor cross-sections solid with core end processing 2x (0.5 0.75 mm²)	• of the enclosure	IP40		
according to IEC 60068-2-27 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 operating voltage 1 at AC - at 50 Hz rated value - at 60 Hz 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 solid with core end processing 2x (0.5 0.75 mm²)	of the terminal	IP20		
• for railway applications according to EN 61373 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 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 negative tolerance of the operating voltage inrush current maximum 2 A Connections/ Terminals type of electrical connection solid with core end processing 2x (0.5 0.75 mm²)	shock 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 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 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 connectable conductor cross-sections • solid with core end processing 2x (0.5 0.75 mm²)	• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms		
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 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 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)	 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 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 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)	operating period typical	100 000 h		
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 — 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)	reference code according to IEC 81346-2	Р		
2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 operating voltage 1	Substance Prohibitance (Date)	10/01/2014		
at AC at 50 Hz rated value at 60 Hz 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 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)	SVHC substance name			
- at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 224 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)	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 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)	• at AC			
● at DC rated value relative positive tolerance of the operating voltage 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)	— at 50 Hz rated value	24 V		
relative positive tolerance of the operating voltage 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)	— 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 type of connectable conductor cross-sections • solid with core end processing 2x (0.5 0.75 mm²)	at DC rated value	24 V		
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)	relative positive tolerance of the operating voltage	20 %		
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)	relative negative tolerance of the operating voltage	20 %		
type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 0.75 mm²)	Control circuit/ Control			
type of electrical connection screw-type terminals type of connectable conductor cross-sections • solid with core end processing 2x (0.5 0.75 mm²)	inrush current maximum	2 A		
type of connectable conductor cross-sections • solid with core end processing 2x (0.5 0.75 mm²)	Connections/ Terminals			
• solid with core end processing 2x (0.5 0.75 mm²)	type of electrical connection	screw-type terminals		
	type of connectable conductor cross-sections			
• solid without core end processing 2x (1.0 1.5 mm²)	 solid with core end processing 	2x (0.5 0.75 mm²)		
	 solid without core end processing 	2x (1.0 1.5 mm²)		

General Product Approval		EMC	Declaration of Con-
Approvals Certificates			
depth	29.4 mm		
width	9.8 mm		
height	33.2 mm		
of modules and accessories	Front plate mounting		
fastening method			
nstallation/ mounting/ dimensions			
global warming potential [CO2 eq] after end of life	-0.015 kg		
Global Warming Potential [CO2 eq] during operation	0.235 kg		
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg		
Global Warming Potential [CO2 eq] total	0.787 kg		
Environmental Product Declaration(EPD)	Yes		
invironmental footprint			
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)		
during storage	-40 +80 °C		
during operation	-25 +70 °C		
ambient temperature			
Ambient conditions	INU		_
ATEX IECEx	No No		
certificate of suitability	No		
light intensity	900 1 400 mcd		
color of the light source	yellow		
type of light source	LED		
amp			
tightening torque with screw-type terminals	0.8 0.9 N·m		
connectable conductor cross-section finely stranded with core end processing	0.5 1.5 mm²		
• for AWG cables	2x (18 14)		
 finely stranded without core end processing 	2x (1,0 1,5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²)		



Confirmation









formity

Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

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







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)

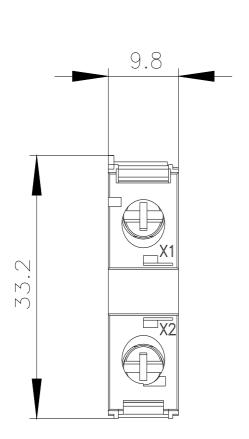
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB30-1AA0

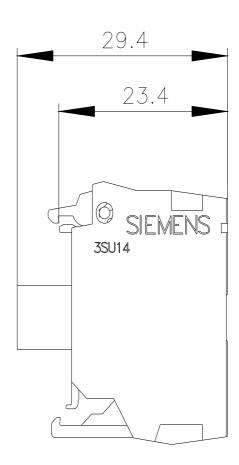
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB30-1AA0

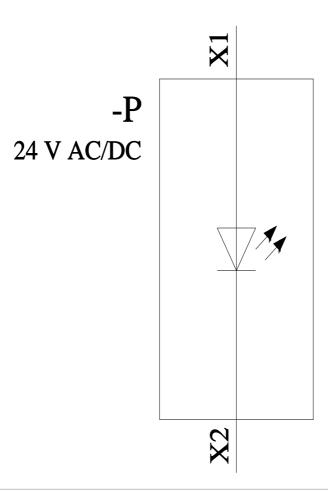
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB30-1AA0

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







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