SIEMENS

Data sheet



LED module with integrated LED 6-24 V AC/DC, yellow, spring-type terminal, for front plate mounting, Z=50-unit packaging

olicide Yes Ilamp transformer Olicide Yes Ilamp transformer Olicide Yes Ilamp transformer Olicide Yes Series resistor No Insulation voltage rated value Oligere of pollution Surge voltage of the operating voltage Olicide according to IEC 60068-2-27 Or railway applications according to EN 61373 vibration resistance Or acturally applications according to EN 61373 vibration resistance Operating voltage Operating voltage Of railway applications according to EN 61373 category 1, Class B vibration resistance Operating period typical Teference code according to IEC 81346-2 Substance Prohibitance (Date) Operating voltage	product brand name	SIRIUS ACT
product component • diode • diode • lamp transformer • light source • series resistor Insulation voltage rated value • for actuation surge voltage of the enclosure • of the terminal shock resistance • according to IEC 60068-2-7 • for railway applications according to EN 61373 operating period typical • at AC — at 50 Hz rated value • at DC rated value relative positive tolerance of the operating voltage relative positive Control inrush current maximum 2 A Zenegory 1, Class B 20 voltage relative specific value • at AC — at 50 Hz rated value • at DC rated value • at DC rated value relative positive tolerance of the operating voltage relative positive tolerance of the operatin	product designation	LED module
olicide Yes Ilamp transformer Olicide Yes Ilamp transformer Olicide Yes Ilamp transformer Olicide Yes Series resistor No Insulation voltage rated value Oligere of pollution Surge voltage of the operating voltage Olicide according to IEC 60068-2-27 Or railway applications according to EN 61373 vibration resistance Or acturally applications according to EN 61373 vibration resistance Operating voltage Operating voltage Of railway applications according to EN 61373 category 1, Class B vibration resistance Operating period typical Teference code according to IEC 81346-2 Substance Prohibitance (Date) Operating voltage	product type designation	3SU1
dioide iamp transformer ilight source insulation voltage rated value insulation voltage voltage voltage voltage voltage insulation voltage volta	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 • 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 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 100500 Hz: 5g Category 1, Class B operating period typical 100.000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 03/01/2017 operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value	product component	
e light source e series resistor No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage e for actuation Surge voltage resistance rated value e voltage resistance rated value e voltage resistance rated value e of the enclosure e of the enclosure e of the enclosure e of the terminal e voltage resistance e according to IEC 60068-2-27 e for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e of for railway applications according to EN 61373 category 1, Class B vibration resistance e according to IEC 60068-2-6 e 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) operating voltage e at AC — at 50 Hz rated value — at 60 Hz rated value e at C rated value felative positive tolerance of the operating voltage relative negative tolerance of specific negative tolerance of the operating voltage relat	• diode	Yes
• series resistor insulation voltage rated value degree of pollution vipe of voltage of the operating voltage • for actuation AC/DC surge voltage resistance rated value onsumed current maximum of the enclosure • of the enclosure • of the terminal shock resistance • according to IEC 60068-2-7 • 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 • actording to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B operating period typical operating period typical operating voltage • at AC — at 50 Hz rated value • at DC ra	 lamp transformer 	No
degree of pollution type of voltage of the operating voltage of or actuation AC/DC surge voltage resistance rated value of the actual on surge voltage resistance rated value 4 kV consumed current maximum 30 mA protection class IP of the enclosure of the terminal liP20 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 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 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 of according to IEC 81346-2 P Substance Prohibitance (Date) 03/01/2017 operating voltage at AC	• 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
● for actuation AC/DC surge voltage resistance rated value 4 kV consumed current maximum 30 mA protection class IP ● of the enclosure ● of the eterminal 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 operating period typical 100 000 h reference code according to IEC 81346-2 P Substance Prohibitance (Date) 03/01/2017 operating voltage ● at AC — at 50 Hz rated value 6 24 V • at DC rated value 6 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 spring-loaded terminals type of electrical connection spring-loaded terminals	degree of pollution	3
surge voltage resistance rated value consumed current maximum of the enclosure 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 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 80068-2-6 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) 03/01/2017 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 cat DC rated value at DC rated value cat DC rated value at DC rate	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 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 for railway applications according to EN 61373 category 1, Class B category 1, Class Category 1, Class Category 1, Class Category 1, Cla	for actuation	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 vibration resistance according to IEC 60068-2-6 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 EN 61373 operating period typical for railway applications according to EN 61373 operating period typical for railway applications according to EN 61373 operating period typical for railway applications according to EN 61373 operating voltage at AC at AC at SO Hz rated value at AC at SO Hz rated value at Created value at DC rated value at DC rated value at DC rated value at DC rated value cat DC rated value at DC rated value at DC rated value cat DC rated value at DC rated value at DC rated value cat DC rated value at DC rated value at DC rated value cat DC rated value at DC rated value at DC rated value cat DC rated value at DC rated value at DC rated value at DC rated value cat DC rated value at	surge voltage resistance rated value	4 kV
of the enclosure of the terminal IP20 shock resistance according to IEC 60068-2-27 of ra railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of ra 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 at AC	consumed current maximum	30 mA
of the terminal shock resistance	protection class IP	
shock resistance	 of the enclosure 	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 category 1, Class B 10 500 Hz: 5g category 1, Class B categor	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) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated valu	shock resistance	
vibration resistance	 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 reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage at AC	 for railway applications according to EN 61373 	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 • at AC	vibration resistance	
operating period typical reference code according to IEC 81346-2 P Substance Prohibitance (Date) 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 ontrol circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection solvant in 100 000 h 0000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000 h 00000 h 00000 h 00000 h 00000 h 00000 h 000000 h 00000	according to IEC 60068-2-6	10 500 Hz: 5g
Teference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage o at AC — at 50 Hz rated value — at 60 Hz rated value o at DC rated value felative positive tolerance of the operating voltage relative negative tolerance of the operating voltage ontrol circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection P 03/01/2017 6 24 V 6 24 V 6 24 V 20 % 20 % 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	 for railway applications according to EN 61373 	Category 1, Class B
Substance Prohibitance (Date) operating voltage	operating period typical	100 000 h
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 relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	reference code according to IEC 81346-2	Р
 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 spring-loaded terminals	Substance Prohibitance (Date)	03/01/2017
- 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 control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	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 % relative negative tolerance of the operating voltage 20 % Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	• 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 6 24 V 20 % 20 % 2 A connections/ Terminals type of electrical connection spring-loaded terminals	— at 50 Hz rated value	6 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 spring-loaded terminals	— at 60 Hz rated value	6 24 V
relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	at DC rated value	6 24 V
Control circuit/ Control inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	relative positive tolerance of the operating voltage	20 %
inrush current maximum 2 A Connections/ Terminals type of electrical connection spring-loaded terminals	relative negative tolerance of the operating voltage	20 %
type of electrical connection spring-loaded terminals	Control circuit/ Control	
type of electrical connection spring-loaded terminals	inrush current maximum	2 A
	Connections/ Terminals	
type of connectable conductor cross-sections	type of electrical connection	spring-loaded terminals
VI	type of connectable 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)
 at AWG cables 	2x (24 16)
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
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	
of modules and accessories	Front plate mounting
height	36 mm
width	9.8 mm
depth	29.4 mm
suitability for integration	
 plastic enclosure 	Yes
 metal enclosure 	Yes
Certificates/ approvals	
Further information	

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

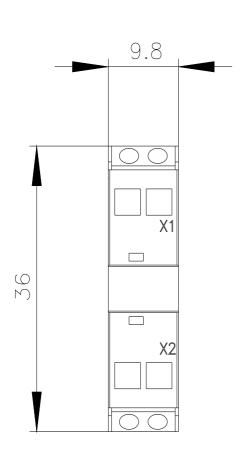
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BG30-3AA0-Z X90

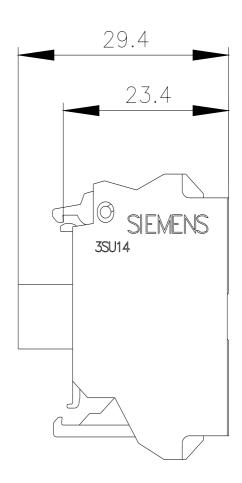
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BG30-3AA0-Z X90 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BG30-3AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BG30-3AA0-Z X90&lang=en





last modified: 3/9/2022 🖸