SIEMENS

Data sheet



LED module with integrated LED 24-240 V AC/DC, green, spring-type terminal, for front plate mounting, Z=50-unit packaging

product type designation product type designation General technical data product component diode lamp transformer light source series resistor No Insulation voltage rated value degree of pollution type of voltage of the operating voltage for actuation surge voltage resistance rated value AC/DC surge voltage resistance rated value of the enclosure of the enclosure of the terminal shock resistance according to IEC 60068-2-27 for for allway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for ariway applications according to EN 61373 vibration resistance according to IEC 60068-2-7 soperating 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 r	product brand name	SIRIUS ACT
General technical data product component • diode • lamp transformer • light source • series resistor insulation voltage rated value • series resistor 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 • of or actuation AC/DC surge voltage resistance rated value • of the enclosure • of the enclosure • of the terminal IP20 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 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 relative positive tolerance of the operating voltage relative negative tolerance of the op	product designation	LED module
product component • diode • lamp transformer • light source • series resistor • series resistor • light source • for actuation • AC/DC • for actuation • according resistance rated value • of the enclosure • of the enclosure • of the terminal • lP20 • for the enclosure • according to IEC 60068-2-27 • for railway applications according to EN 61373 • Category 1, Class B • for railway applications according to EN 61373 • Category 1, Class B • for railway applications according to EN 61373 • Category 1, Class B • for railway applications according to EN 61373 • Category 1, Class B • for railway applications according to EN 61373 • Category 1, Class B • for railway applications according to EN 61373 • Category 1, Class B • for allway applications according to EN 61373 • Category 1, Class B • for allway applications according to EN 61373 • Category 1, Class B • for allway applications according to EN 61373 • Category 1, Class B • for allway applications according to EN 61373 • for allway applications • for allway applic	product type designation	3SU1
Idiote April Transformer No No	General technical data	
• lamp transformer • light source • series resistor 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 20 mA protection class IP • of the enclosure • of the terminal IP20 shock resistance • according to IEC 60068-2-27 • for rarilway 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) • at AC — at 50 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 type of electrical connection spring-loaded terminals type of electrical connection sacon and so we served a supplications according to EN 61373 AC AC Substance Prohibitance (Date) a to DC rated value served AC Substance Prohibitance (Date) a to DC rated value served AC Substance Prohibitance (Date) a to DC rated value a to DC rated value served AC Substance Prohibitance (Date) a to DC rated value a to DC rated value a to DC rated value served AC Substance Prohibitance (Date) a to DC rated value served AC Substance Prohibitance (Date) a to DC rated value served AC Substance Prohibitance (Date) a to DC rated value served AC Substance Prohibitance served AC Substance served AC Sub	product component	
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Series resistor insulation voltage rated value degree of pollution 320 V degree of pollution 34	 lamp transformer 	No
insulation voltage rated value degree of pollution type of voltage of the operating voltage	• light source	Yes
type of voltage of the operating voltage of or actuation of the operating voltage of the operating voltage 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 category 1, Class B 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 vibration resistance occording to IEC 60068-2-6 of or 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 oct AC - at 50 Hz rated value - at 60 Hz rated value 24 240 V - at 60 Hz rated value 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage specifications negative ne	 series resistor 	No
type of voltage of the operating voltage • for actuation 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 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) 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 relative negative tolerance of the operating voltage relative negative tolerance of specific policy of the operating voltage relative negative tolerance of specific policy of the operating voltage relative negative tolerance of specific policy of the operating voltage relative negative tolerance of specific policy of the operating voltage specific policy of the operating voltage relative negative tolerance of specific policy of the operating voltage relative negative tolerance of specific policy of the operating voltage specific policy of the operating voltage relative negative tolerance of specific policy of the operating voltage specific policy of the voltage of the operating voltage specific policy of the voltage of the operating voltage of the operating voltage of t	insulation voltage rated value	320 V
for actuation surge voltage resistance rated value consumed current maximum protection class IP of the enclosure 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 railway applications according to EN 61373 category 1, Class B vibration resistance or 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 ot AC	degree of pollution	3
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consumed current maximum protection class IP 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 60068-2-6 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 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 Substance Prohibitance (Date) operating voltage of at AC of at 50 Hz rated value of the rated value 24 240 V of at 50 Hz rated value 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	for actuation	AC/DC
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 vibration resistance of 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 of at AC - at 50 Hz rated value - at 60 Hz rated value - at 60 Hz rated value of at DC rated value electrical contection according voltage relative negative tolerance of the operating voltage solve inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	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 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 Substance Prohibitance (Date) operating voltage 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 relative negative tolerance of the operating voltage control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	consumed current maximum	20 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	protection class IP	
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 24 240 V — at 60 Hz rated value 24 240 V • at DC rated value 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage 30 % Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	 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 operating period typical reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage at AC at 50 Hz rated value at 00 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 3 A Connections/ Terminals type of electrical connection spring-loaded terminals spring-loaded terminals	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 value • at DC rated value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage inrush current maximum 3 A Connections/ Terminals type of electrical connection Category 1, Class B 10 500 Hz: 5g Category 1, Class B 100 000 h 100 00 h	shock resistance	
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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 value relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage inrush current maximum 3 A Connections/ Terminals type of electrical connection 100 500 Hz: 5g Category 1, Class B 100 000 h 100 000 h 24 240 V 24 240 V 24 240 V 24 240 V 30 % Control circuit/ Control spring-loaded terminals spring-loaded terminals	 for railway applications according to EN 61373 	Category 1, Class B
of railway applications according to EN 61373 operating period typical reference code according to IEC 81346-2 P Substance Prohibitance (Date) operating voltage	vibration resistance	
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 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 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2 Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 24 240 V • at DC rated value 24 240 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 3 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 • at AC — at 50 Hz rated value — at 60 Hz rated value 24 240 V • at DC rated value 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection o3/01/2017 24 240 V 24 240 V 20 % 30 % Control circuit/ Control spring-loaded terminals	operating period typical	100 000 h
operating voltage	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 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Tontrol circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals 	Substance Prohibitance (Date)	03/01/2017
- at 50 Hz rated value 24 240 V at 60 Hz rated value 24 240 V at DC rated value 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	operating voltage	
— at 60 Hz rated value • at DC rated value 24 240 V relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage 70 % Control circuit/ Control inrush current maximum 3 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 30 % Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals 	— at 50 Hz rated value	24 240 V
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	— at 60 Hz rated value	24 240 V
relative negative tolerance of the operating voltage Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	at DC rated value	24 240 V
Control circuit/ Control inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	relative positive tolerance of the operating voltage	20 %
inrush current maximum 3 A Connections/ Terminals type of electrical connection spring-loaded terminals	relative negative tolerance of the operating voltage	30 %
Connections/ Terminals type of electrical connection spring-loaded terminals	Control circuit/ Control	
type of electrical connection spring-loaded terminals	inrush current maximum	3 A
<u>, , , , , , , , , , , , , , , , , , , </u>	Connections/ Terminals	
type of connectable conductor cross-sections	type of electrical connection	spring-loaded terminals
	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	green
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

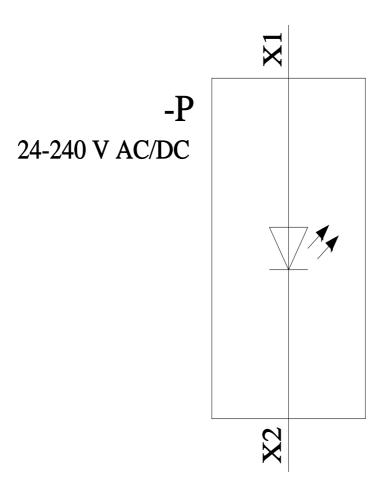
Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BH40-3AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BH40-3AA0-Z X90 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BH40-3AA0-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=3SU1401-1BH40-3AA0-Z X90&lang=en



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