SIEMENS

Data sheet

3SU1401-2BB50-1AA2



LED module with integrated LED 24 V AC/DC, blue, screw terminal, for floor mounting, ATEX Zone 1-2: Intrinsic safety

Fig		simi	lar
rig	ure	2000	101

product brand name SIRUS ACT product brand name SIRUS ACT product type designation 3SU1 Ganeral technical data				
product type designation 3SU1 General technical data product component i diode illipit source iseries resistor No insultation voltage rated value series resistor No insultation voltage rated value if a clubic of the operating voltage AC/DC onsumed current maximum ZD order terminal P20 shock resistance i according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance i according to IEC 60068-2-2 if or railway applications according to EN 61373 operating genet object of the S1373 operating genet object object operating genet object is of the the state value is at AC is at	•	SIRIUS ACT		
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product component Yes • diode Yes • lamp transformer No • light source Yes • series resistor No insulation voltage rated value 320 V degree of pollution 3 type of voltage resistance rated value AC/DC • for actuation AC/DC • for actuation AC/DC • or of the operating voltage 4.KV consumed current maximum 20 mA protection class IP IP30 • of the tenclosure ID 0 500 Hz; 5g • of the tenclosure		3SU1		
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Substance Prohibitance (Date) 10/01/2014 SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 operating voltage 1 - • at AC - - at 50 Hz rated value 24 V - at 60 Hz rated value 24 V • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value • at DC rated value 50 Hz rated value	operating period typical	100 000 h		
SVHC substance name Bleimonoxid (Bleioxid) - 1317-36-8 operating voltage 1	reference code according to IEC 81346-2	Р		
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• at DC rated value 24 V Control circuit/ Control 24 V inrush current maximum 2 A Connections/ Terminals 2 A type of electrical connection screw-type terminals type of connectable conductor cross-sections screw-type terminals	— at 50 Hz 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 screw-type terminals	— at 60 Hz rated value	24 V		
inrush current maximum 2 A Connections/ Terminals 2 A type of electrical connection screw-type terminals type of connectable conductor cross-sections screw-type terminals	at DC rated value	24 V		
Connections/ Terminals type of electrical connection screw-type terminals type of connectable conductor cross-sections screw-type terminals	Control circuit/ Control			
type of electrical connection screw-type terminals type of connectable conductor cross-sections screw-type terminals	inrush current maximum	2 A		
type of connectable conductor cross-sections	Connections/ Terminals			
	type of electrical connection	screw-type terminals		
• solid with core end processing 2x (0.5 0.75 mm ²)	type of connectable conductor cross-sections			
	 solid with core end processing 	2x (0.5 0.75 mm²)		

 colid without corr 	and processing		$2v(10, 15mm^2)$				
 solid without core finely stranded without 	ith core end processing		2x (1.0 1.5 mm ²)				
			2x (0.5 1.5 mm ²)				
-	ithout core end processing		2x (1,0 1,5 mm ²)				
for AWG cables			2x (18 14)				
end processing	connectable conductor cross-section finely stranded with core end processing		0.5 1.5 mm²				
tightening torque with s	crew-type terminals		0.8 0.9 N·m				
Lamp							
type of light source			LED				
color of the light sour	ce		blue				
light intensity			450 1 120 mcd				
certificate of suitabilit	у						
• ATEX	• ATEX			Yes; BVS 18 ATEX E 030 (IEC 60079-0:2017-12 Edition 7.0; EN 60079- 11:2012; ATEX-product guideline 2014/34/EU)			
	• IECEx		Yes; IECEx BVS 18.0023 (IEC 60079-11:2011-06 Edition 6.0; IEC 60079- 0:2017-12 Edition 7.0)				
	protection for zone 1/2		Yes				
explosion device group	and category according to ATE	X	II C				
Ex-Marking according			II 2G Ex ib IIC T4 Gb				
	level (EPL) according to ATE	X	Gb				
maximum input voltag	ge (Ui)						
at AC			28.8 V				
at DC			28.8 V				
type of protection according to ATEX			Ex ib				
Ambient conditions							
ambient temperature							
 during operation 			-25 +70 °C				
 during storage 			-40 +80 °C				
environmental category 60721				3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)			
Environmental footprint	t						
Environmental Product	Declaration(EPD)		Yes				
Global Warming Potent	ial [CO2 eq] total		0.787 kg				
Global Warming Potent	ial [CO2 eq] during manufactur	ing	0.566 kg				
Global Warming Potent	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 a 	accessories		Floor mounting				
height			33.2 mm				
width			9.8 mm				
depth			29.4 mm				
Approvals Certificates							
General Product App	roval			EMC	For use in hazard- ous locations		
e	<u>Confirmation</u>			•			
SP		(JL)	EHL		(<u>x</u>)		
1.34		01		i va ni	ATEA		
For use in hazard- ous locations	Declaration of Conformity		Test Certificates		Marine / Shipping		
	1.11.7						
IECE×	UK	CE	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate			
IECEx	CH	EG-Konf.			ABS		
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=3SU1401-2BB50-1AA2

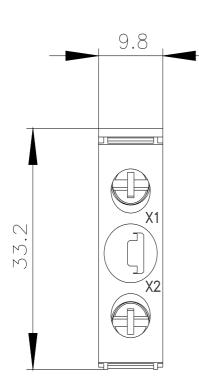
Cax online generator

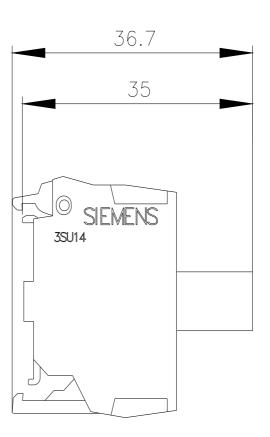
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-2BB50-1AA2

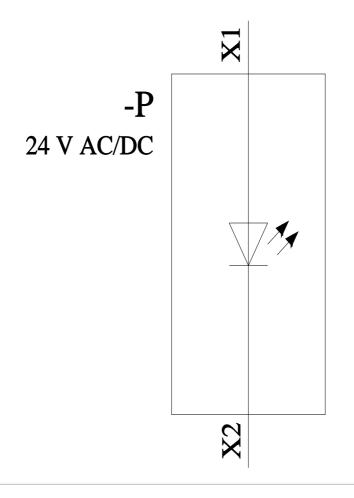
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-2BB50-1AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-2BB50-1AA2&lang=en







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