SIEMENS

Data sheet

3SU1251-6AB50-1AA0



Indicator lights, compact, 22 mm, round, metal, blue, lens, smooth, with holder, Operating voltage 24 V AC/DC, screw terminal

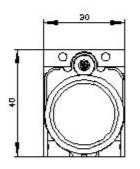
product brand name	SIRIUS ACT
product designation	Indicator lights
design of the product	Compact unit
product type designation	3SU1
product line	Metal, shiny, 22 mm
manufacturer's article number of the supplied holder	3SU1550-0AA10-0AA0
Enclosure	
shape of the enclosure front	round
Actuator	
product extension optional light source	No
color	
 of the actuating element 	blue
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	29.5 mm
Front ring	
product component front ring	No
Holder	
material of the holder	Metal
General technical data	
General technical data product component light source	Yes
	Yes 320 V
product component light source	
product component light source insulation voltage rated value	320 V
product component light source insulation voltage rated value degree of pollution	320 V 3
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value	320 V 3 4 kV
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K)
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating shock resistance	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened 1, 2, 3, 3R, 4, 4X, 12, 13
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened 1, 2, 3, 3R, 4, 4X, 12, 13
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 vibration resistance • acc. to IEC 60068-2-6 operating period typical	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 50g / 11 ms 10 500 Hz: 5g 100 000 h
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 vibration resistance • acc. to IEC 60068-2-6 operating period typical reference code acc. to IEC 81346-2	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 50g / 11 ms 10 500 Hz: 5g
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 vibration resistance • acc. to IEC 60068-2-6 operating period typical reference code acc. to IEC 81346-2 Supply voltage	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 50g / 11 ms 10 500 Hz: 5g 100 000 h
product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value consumed current maximum protection class IP • of the terminal degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 vibration resistance • acc. to IEC 60068-2-6 operating period typical reference code acc. to IEC 81346-2	320 V 3 4 kV 20 mA IP66, IP67, IP69(IP69K) IP20, clamping screw tightened 1, 2, 3, 3R, 4, 4X, 12, 13 Sinusoidal half-wave 50g / 11 ms 10 500 Hz: 5g 100 000 h

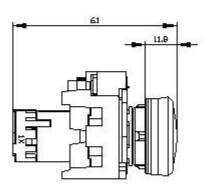
• at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
supply voltage of the light source at DC	
 rated value 	24 V
relative negative tolerance of the supply voltage	20 %
relative positive tolerance of the supply voltage	20 %
Control circuit/ Control	
inrush current maximum	2 A
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
 solid with core end processing 	2x (0.5 0.75 mm²)
solid without core end processing	2x (1.0 1.5 mm ²)
finely stranded with core end processing	2x (0.5 1.5 mm ²)
finely stranded without core end processing	2x (1,0 1,5 mm ²)
at AWG cables	2x (18 14) 1 1.2 N·m
tightening torque of the screws in the bracket	
 tightening torque with screw-type terminals 	0.8 1 N·m
Lamp	
type of light source	LED
	blue 280 710 mcd
Ambient conditions	200 / 10 Ilicu
ambient temperature during operation	-25 +70 °C
ambient temperature during storage	-40 +80 °C
environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95 %, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
height	40 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	12.9 mm
installation width	29.5 mm
installation depth	49.6 mm
Certificates/ approvals	
General Product Approval	Declaration of Conformity Test Certificates
St EA	Miscellaneous EG-Konf. Special Test Certificate
Test Certificates other	

<u>Certificates/Test</u> <u>Report</u>

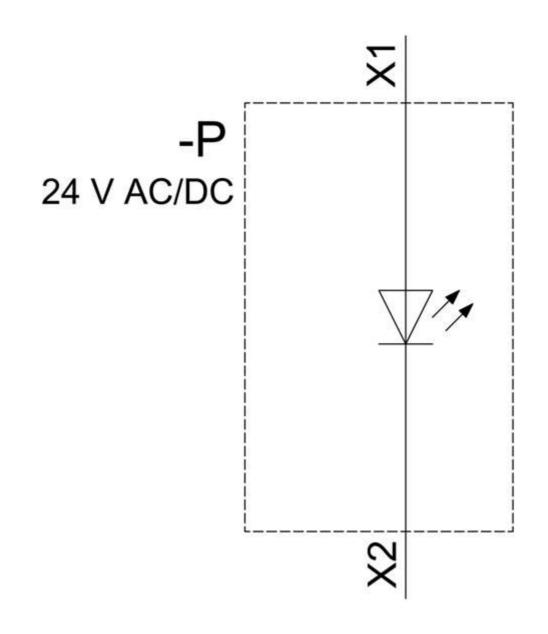
Further information

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=3SU1251-6AB50-1AA0 Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1251-6AB50-1AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1251-6AB50-1AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1251-6AB50-1AA0&lang=en









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