SIEMENS

Data sheet

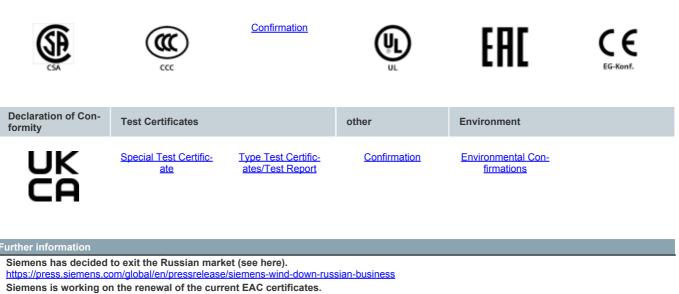
3SU1501-1AG50-1NA0



holder, 3-way, plastic, 1 NO, 1 NO, LED module, blue, 6-24 V AC/DC, screw terminal

product brand name SIRIUS ACT product brand name SIRIUS ACT holders holders design of the product holder for plastic product displantion 3SU1 manufacturer's article number - • of supplied contact module at position 1 SSU1400-1AA10-1BA0, • of supplied contact module at position 2 SSU1400-1AA10-1BA0, • of supplied contact module at position 2 SSU1400-1AA10-1BA0, • of supplied contact module at position 2 SSU1400-1AA10-1BA0, • of supplied contact module at position 2 SSU1400-1AA10-1BA0, • of supplied contact module at position 2 SSU1400-1AA10-1BA0, • of supplied contact module at position 2 SSU1400-1AA10-1BA0, • of supplied holder SSU1400-1AA10-1BA0, • of the schuating element 3-way with module number of contact modules 2 • Display		
design of the product holder for plastic product type designation 3SU1 manufacture's article number 3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0 • of supplied contact module at position 1 3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module 3SU1400-1AA10-1BA0 • of supplied contact module 3SU1400-1AA10-1BA0 • of the seturation positive opening Product material of the holder Plastic product function positive opening No product function positive opening No	product brand name	SIRIUS ACT
product type designation 3SU1 manufacturer's article number 3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0 • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of the supplied holder 3SU1400-1AA10-1BA0 • of contact modules 2 • ladition to the supplied holder Plastic • for al kothical data Product function positive opening product function positive opening No product function positive opening No issuitation votage rated	product designation	Holders
manufacturer's article number 3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0 • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of supplied LED module 3SU1500-1AA10-1BA0 • of supplied LED module 3SU1500-0AA0 • of the supplied holder 3SU1500-0AA0 Actuator Actuator design of the actuating element 3-way with module number of contact modules 2 toider Plastic Display Interface number of LED modules 1 Ceneral technical data	design of the product	holder for plastic
 of supplied contact module 35U1400-1AA10-1BA0, 35U1400-1AA10-1BA0 of supplied contact module at position 1 35U1400-1AA10-1BA0 4ctuator 4ctuator	product type designation	3SU1
of supplied contact module at position 1 SU1400-1AA10-1BA0 SU1400-1AA10-1BA0 SU1400-1AA10-1BA0 SU1400-1AA10-1BA0 SU1400-1AA10-1BA0 SU1400-1AA10-1BA0 SU1401-1BG50-1AA0 SU1401 SU1401-1BG10 SU1401-1	manufacturer's article number	
	 of supplied contact module 	3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0
• of supplied LED module 3SU1401-1BG50-1AA0 • of the supplied holder 3SU1500-0AA10-0AA0 Actuator	 of supplied contact module at position 1 	<u>3SU1400-1AA10-1BA0</u>
• of the supplied holder 3SUI500-0AA10-0AA0 Actuator	 of supplied contact module at position 2 	<u>3SU1400-1AA10-1BA0</u>
Actuator 3-way with module number of contact modules 2 Holder 2 material of the holder Plastic Display 1 number of LED modules 1 General technical data	 of supplied LED module 	<u>3SU1401-1BG50-1AA0</u>
design of the actuating element 3-way with module number of contact modules 2 Holder Plastic Display Plastic number of LED modules 1 General technical data	 of the supplied holder 	<u>3SU1500-0AA10-0AA0</u>
number of contact modules 2 Holder Plastic Display 1 General technical data 1 product function positive opening No product component 4 • diode Yes • lamp transformer No • light source Yes • series resistor No insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protocin class IP of the terminal IP20 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373	Actuator	
Holder Plastic Display 1 number of LED modules 1 General tochnical data	design of the actuating element	3-way with module
material of the holder Plastic Display 1 General technical data 1 product function positive opening No product component - • diode Yes • lamp transformer No • light source Yes • series resistor No Insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP 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 vibration resistance - • according to IEC 60068-2-6 10 500 Hz: 5g • 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 frequency maximum 3 600 1/h <t< th=""><th>number of contact modules</th><th>2</th></t<>	number of contact modules	2
Display number of LED modules 1 General technical data	Holder	
number of LED modules 1 General technical data Product function positive opening No product component Ves • diode Yes • lamp transformer No • light source Yes • series resistor No Insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP of the terminal IP20 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	material of the holder	Plastic
Ceneral technical data product function positive opening No product component	Display	
product function positive opening No product component	number of LED modules	1
product componente diodeYese lamp transformerNoe light sourceYes• series resistorNoinsulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IP of the terminalIP20shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance0• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	General technical data	
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I amp transformerNoI light sourceYes• series resistorNoInsulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IP of the terminalIP20shock resistanceIP20shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	product component	
• light sourceYes• series resistorNoinsulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IP of the terminalIP20shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	• diode	Yes
• series resistor No insulation voltage rated value 320 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP of the terminal IP20 shock resistance insusidal half-wave 15g / 11 ms • 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 frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	lamp transformer	No
insulation voltage rated value320 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IP of the terminalIP20shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	light source	Yes
degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP of the terminal IP20 shock resistance inusoidal half-wave 15g / 11 ms • 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 frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	series resistor	No
surge voltage resistance rated value 4 kV protection class IP of the terminal IP20 shock resistance inscording to IEC 60068-2-27 • 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	insulation voltage rated value	320 V
protection class IP of the terminalIP20shock resistanceinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	degree of pollution	3
shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 Hz: 5goperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	surge voltage resistance rated value	4 kV
• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	protection class IP of the terminal	IP20
• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	shock resistance	
vibration resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Ucontinuous current of the C characteristic MCB10 A; for a short-circuit current smaller than 400 A	 for railway applications according to EN 61373 	Category 1, Class B
• for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	vibration resistance	
operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	 according to IEC 60068-2-6 	10 500 Hz: 5g
mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	 for railway applications according to EN 61373 	Category 1, Class B
mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	operating frequency maximum	3 600 1/h
reference code according to IEC 81346-2 U continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A		10 000 000
continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	thermal current	10 A
continuous current of the C characteristic MCB 10 A; for a short-circuit current smaller than 400 A	reference code according to IEC 81346-2	U
		10 A; for a short-circuit current smaller than 400 A
	continuous current of the quick DIAZED fuse link	10 A

continuous current of the DIAZED fuse link gG	10 A 10/01/2014
Substance Prohibitance (Date)	10/01/2014
SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
operating voltage	
• at AC	
— at 50 Hz rated value	6 24 V
— at 60 Hz rated value	6 24 V
• at DC rated value	6 24 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
Control circuit/ Control	(5 V, 1 mA)
inrush current of LED module maximum	2 A
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
	0
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	
operational current at AC-15 at 230 V rated value	6 A
Connections/ Terminals	
type of electrical connection	
of modules and accessories	Screw-type terminal
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 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
 finely stranded without core end processing 	2x (1,0 1,5 mm²)
 for AWG cables 	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque	
with screw-type terminals	0.8 0.9 N·m
amp	
type of light source	LED
color of the light source	blue
light intensity	280 710 mcd
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
	-40 +80 °C
during storage	
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation ir operation permitted)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg
nstallation/ mounting/ dimensions	
	front plato mounting
fastening method	front plate mounting
of modules and accessories	Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	round
installation width	30 mm
	49.8 mm
installation depth	
thickness of the front plate usable	1 6 mm
•	1 6 mm



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=3SU1501-1AG50-1NA0

Cax online generator

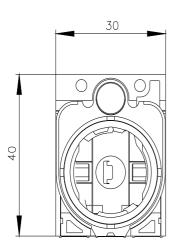
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1501-1AG50-1NA0

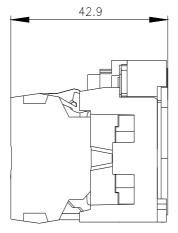
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

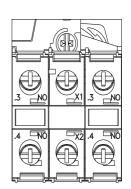
https://support.industry.siemens.com/cs/ww/en/ps/3SU1501-1AG50-1NA0

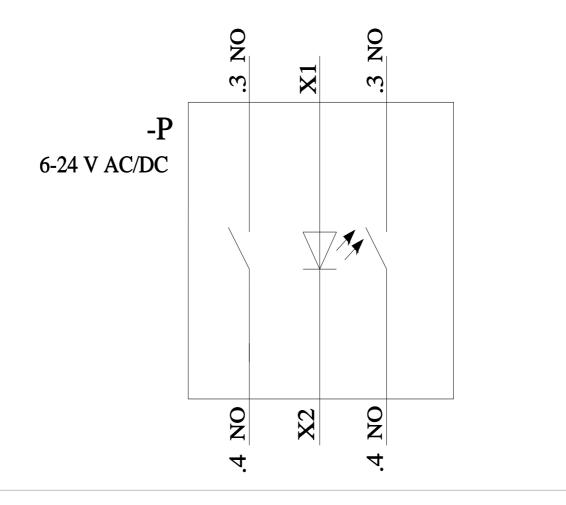
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1501-1AG50-1NA0&lang=en









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11/8/2023 🖸