## SIEMENS

## Data sheet

## 3SU1550-1AA10-3NA0



holder, universal, 3-way, plastic/metal, 1 NO, 1 NO, spring-loaded terminal

Fi	qure	simi	ar

product brand name     SIRIUS ACT       product designation     Holders       design of the product     holder, universal for plastic/metal       product type designation     3SU1       manufacturer's article number     of supplied contact module       of supplied contact module at position 1     3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0       of supplied contact module at position 1     3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0       of supplied contact module at position 2     3SU1400-1AA10-3BA0       of supplied contact module at position 2     3SU1400-1AA10-3BA0       of the supplied holder     3SU150-0AA10-0AA0       Actuator     design of the actuating element     3-way with module       number of contact modules     2       Holder     Plastic       material of the holder     9       product function positive opening     No       product component     0       idode     No       ispit tasoformer     No				
design of the product         holder, universal for plastic/metal           product type designation         39U1           manufacturer's article number         3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0           • of supplied contact module at position 1         3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0           • of supplied contact module at position 2         3SU1400-1AA10-3BA0           • of the supplied holder         SSU1550-0A210-0AA0           Actuator	product brand name	SIRIUS ACT		
product type designation         3SU1           manufacturer's article number         3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0           • of supplied contact module at position 1         3SU1400-1AA10-3BA0           • of supplied contact module at position 2         3SU1400-1AA10-3BA0           • of the supplied contact module at position 2         3SU1550-0AA10-3BA0           • of the supplied contact module at position 2         3SU1550-0AA10-3BA0           • of the actuating element         3-way with module           mumber of contact modules         2           Holder         Plastic           Display         material of the holder           product fomoponent         0           • didde         No           • light source         No           • series resistor         No           iseries resistor         No           iseries resistor         No           iseries resistor         Sou V           degree of pollution         3           surge voltage resistance ratied value         6 kV	product designation	Holders		
Imanufacture's article number       35U1400-1AA10-3BA0, 35U1400-1AA10-3BA0         • of supplied contact module at position 1       35U1400-1AA10-3BA0         • of supplied contact module at position 2       35U1400-1AA10-3BA0         • of supplied contact module at position 2       35U1400-1AA10-3BA0         • of supplied contact module at position 2       35U1400-1AA10-3BA0         • of the supplied contact modules       2         Actuator       design of the actuating element         • of the supplied contact modules       2         Holder       Plastic         Display       number of LED modules         • of ide position positive opening       No         product function positive opening       No         product component       No         • light source       No         • elingh transformer       No         • light source       No         • elingh transformer       No         • light source       No         • or rollage resistance rated value       500 V         degree of pollution       3         surger voltage resistance rated value       6 kV         protection class IP of the terminal       IP20         shock resistance       • according to EC 60068-2-27         • for railway applica	design of the product	holder, universal for plastic/metal		
<ul> <li>of supplied contact module</li> <li>3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0</li> <li>of supplied contact module at position 1</li> <li>SSU1400-1AA10-3BA0</li> <li>SSU1400-1AA10-1A</li> <li>SSU1400-1</li></ul>	product type designation	3SU1		
<ul> <li>of supplied contact module at position 1</li> <li>SSU1400-1AA10-3BA0</li> <li>of supplied contact module at position 2</li> <li>SSU1400-1AA10-3BA0</li> <li>SSU1550-0AA10-0AA0</li> <li>Actuator</li> <li>design of the actuating element</li> <li>3-way with module</li> <li>number of contact modules</li> <li>2</li> <li>Holder</li> <li>Plastic</li> <li>Display</li> <li>number of LED modules</li> <li>0</li> <li>General technical data</li> <li>product function positive opening</li> <li>No</li> <li>product function positive opening</li> <li>No</li> <li>ight source</li> <li>ight source</li> <li>series resistor</li> <li>No</li> <li>isrulation voltage rated value</li> <li>500 V</li> <li>degree of pollution</li> <li>as a source</li> <li>series resistor</li> <li>No</li> <li>isrulation voltage rated value</li> <li>6 kv</li> <li>protection class IP of the terminal</li> <li>IP20</li> <li>shock resistance</li> <li>isror railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>of or railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>3 600 1/h</li> <li>mechanical service life (operating cycles) typical</li> <li>10 000 000</li> <li>thermal current</li> <li>10 A, for a short-circuit current smaller than 400 A</li> </ul>	manufacturer's article number			
	<ul> <li>of supplied contact module</li> </ul>	3SU1400-1AA10-3BA0, 3SU1400-1AA10-3BA0		
• of the supplied holder       2SU1550-0AA10-0AA0         Actuator       3-way with module         number of contact modules       2         Holder       Plastic         Display       0         Odenoral Echnical data       0         product function positive opening       No         product function positive opening       No         of the supplied holder       No         of diode       No         • alight source       No         • series resistor       No         insulation voltage rated value       60 V         degree of pollution       3         surge voltage resistance rated value       6 kV         of railway applications according to EN 61373       Category 1, Class B         vibration resistance       -         • according to EC 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         meterial current       10 A         reference code according to EC 61346-2       U         continuous current of the C characteristic MCB       10 A, for a short-circuit current smaller than 400 A	<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-3BA0</u>		
Actuator       3-way with module         number of contact modules       2         Holdor       2         material of the holder       Plastic         Display       0         Ceneral technical data       0         product function positive opening       No         product function positive opening       No         elided       No         elided       No         elides       No         elides       No         elight source       No         elight source       No         eseries resistor       No         Insulation voltage rated value       500 V         degree of pollution       3         surge voltage resistance rated value       6 kV         protection class IP of the terminal       IP20         shock resistance       insulation voltage resistance         e according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         e for railway applications according to EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         e for railway applications according to EN 61373       Category 1, Class B         operating frequency maximum       3 600 1/h         mechanical service life (	<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-3BA0</u>		
design of the actuating element       3-way with module         number of contact modules       2         Holder       Plastic         material of the holder       Plastic         Display       0         central technical data       0         product function positive opening       No         product component       0         • light source       No         • light source       No         • series resistor       No         insulation voltage rated value       500 V         degree of pollution       3         surge voltage resistance rated value       6 kV         protection class IP of the terminal       IP20         shock resistance       •         • 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 charac	<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
number of contact modules       2         Holder       Plastic         Display       0         General technical data       0         product function positive opening       No         product component       0         • diode       No         • lamp transformer       No         • light source       No         • series resistor       No         Insulation voltage rated value       500 V         degree of pollution       3         surge voltage resistance rated value       6 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       0         number of LED modules       0         General technical data       product function positive opening       No         product function positive opening       No       No         product component       0       0         • diode       No       No         • lamp transformer       No       No         • light source       No       No         • series resistor       No       No         insulation voltage rated value       500 V       degree of pollution         3       surge voltage resistance rated value       6 kV         protection class IP of the terminal       IP20       shock resistance         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       0	design of the actuating element	3-way with module		
material of the holder         Plastic           Display         0           General technical data         0           product function positive opening         No           product component         0           • diode         No           • lamp transformer         No           • light source         No           • series resistor         No           insulation voltage rated value         500 V           degree of pollution         3           surge voltage resistance rated value         6 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         0           • 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 8136-2         U           continuous curr	number of contact modules	2		
Display           number of LED modules         0           General technical data	Holder			
number of LED modules         0           General technical data	material of the holder	Plastic		
Ceneral technical data         product function positive opening       No         product component       No         • diode       No         • lamp transformer       No         • light source       No         • series resistor       No         insulation voltage rated value       500 V         degree of pollution       3         surge voltage resistance rated value       6 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         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	Display			
product function positive opening       No         product component       No         • diode       No         • lamp transformer       No         • light source       No         • series resistor       No         insulation voltage rated value       500 V         degree of pollution       3         surge voltage resistance rated value       6 kV         protection class IP of the terminal       IP20         shock resistance       e 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       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	number of LED modules	0		
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degree of pollution3surge voltage resistance rated value6 kVprotection class IP of the terminalIP20shock resistance• according to IEC 60068-2-27• 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 60068-2-6• 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	series resistor	No		
degree of pollution3surge voltage resistance rated value6 kVprotection class IP of the terminalIP20shock resistance	insulation voltage rated value	500 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		3		
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• 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	<ul> <li>for railway applications according to EN 61373</li> </ul>	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			
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operating 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	<ul> <li>for railway applications according to EN 61373</li> </ul>	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				
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	mechanical service life (operating cycles) typical	10 000 000		
continuous current of the C characteristic MCB       10 A; for a short-circuit current smaller than 400 A		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		
continuous current of the quick DIAZED fuse link 10 A	continuous current of the C characteristic MCB	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	
Substance Prohibitance (Date)	10/01/2014	
operating voltage		
• at AC		
— at 50 Hz rated value	5 500 V	
— at 60 Hz rated value	5 500 V	
at DC rated value	5 500 V	
Power Electronics		
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)	
Control circuit/ Control		
inrush current of LED module maximum	2 A	
Auxiliary circuit		
design of the contact of auxiliary contacts	Silver alloy	
number of NC contacts for auxiliary contacts	0	
number of NO contacts for auxiliary contacts	2	
operational current at AC-15 at 230 V rated value	6 A	
Connections/ Terminals		
type of electrical connection		
<ul> <li>of modules and accessories</li> </ul>	Spring-type terminal	
type of connectable conductor cross-sections		
<ul> <li>solid without core end processing</li> </ul>	2x (0.25 1.5 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 0.75 mm²)	
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 1.5 mm <sup>2</sup> )	
• for AWG cables	2x (24 16)	
tightening torque of the screws in the bracket	1 1.2 N·m	
	1 1.2 10/10	
tightening torque		
for grounding	0.8 1 N·m	
Ambient conditions		
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +70 °C	
during storage	-40 +80 °C	
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)	
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
Global Warming Potential [CO2 eq] total		
	0.593 kg	
Global Warming Potential [CO2 eq] during manufacturing	0.625 kg	
Global Warming Potential [CO2 eq] during operation	0.235 kg	
global warming potential [CO2 eq] after end of life	-0.267 kg	
Installation/ mounting/ dimensions		
fastening method	front plate mounting	
<ul> <li>of modules and accessories</li> </ul>	Front plate mounting	
height	40 mm	
width	30 mm	
shape of the installation opening	round	
installation width		
	30 mm	
installation depth	49.8 mm	
thickness of the front plate usable	1 6 mm	
Approvals Certificates           General Product Approval         Declaration of Con- formities		
tormity		
Declaration of Con- formity Test Certificates	Marine / Shipping	



## **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=3SU1550-1AA10-3NA0

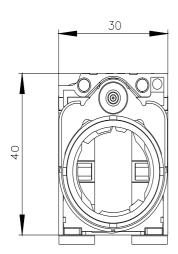
Cax online generator

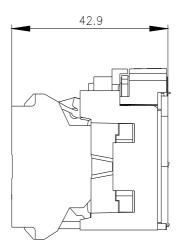
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1550-1AA10-3NA0

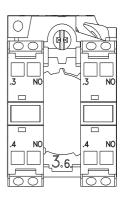
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

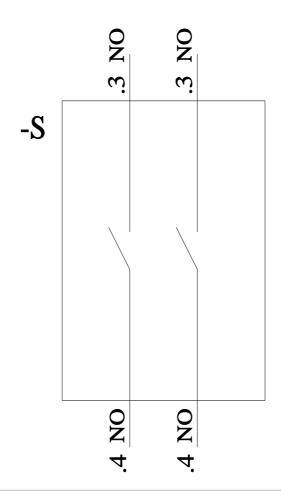
https://support.industry.siemens.com/cs/ww/en/ps/3SU1550-1AA10-3NA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1550-1AA10-3NA0&lang=en









last modified:

11/8/2023 🖸