# **SIEMENS**

# **Data sheet**



holder, 3-way, plastic, 1 NO, screw terminal

product designation design of the product product type designation  manufacturer's article number of supplied contact module at position 1 asult400-1AA10-1BA0 of the supplied contact module at position 1 of the supplied holder  Actuator  design of the actuating element number of contact modules 1 Holder  Material of the holder  Plastic  Display number of LED modules 0  Coeneral technical data  product function positive opening product component of didde in lamp transformer light source light source seriestor No insulation voltage rated value degree of pollution 3 surge voltage resistance rated value for railway applications according to EN 61373 operating frequency maximum acchanical service life (poerating cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the quark DIAZED fuse link go authan continuous current of the quark DIAZED fuse link go authan continuous current of the plazeD fuse link go authan continuous current of the DIAZED fuse link go authan continuous current of the DIAZED fuse link go authan continuous current of the DIAZED fuse link go authan continuous current of the DIAZED fuse link go authan continuous current of the DIAZED fuse link go authan continuous current of the plazeD fuse link go authan continuous current of the plazeD fuse link go authan continuous current of the plazeD fuse link go authan continuous current of the plazeD fuse link go authan continuous current of the plazeD fuse link go authan current service life continuous current of the plazeD fuse link go authan current service life continuous current of the plazeD fuse link go authan current service life continuous current of the plazeD fuse link go authan current service life continuous current of the plazeD fuse link go authan current service life continuous current of the plazeD fuse link go authan current service life continuous current of the plaz	product brand name	SIRIUS ACT
product type designation manufacturer's article number  • of supplied contact module • of supplied contact module at position 1 • of the supplied holder  • of supplied holder  • of the supplied holder  design of the actuating element number of contact modules  1  **Note of the actuating element number of contact modules  1  **Holder  material of the holder  Display number of LED modules  0  **General technical data  product function positive opening  No  product component • diode • lamp transformer • light source • series resistor  insulation voltage rated value  degree of pollution  3 surge voltage resistance rated value  • sories resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  Operating frequency maximum  about 10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date) • at AC	product designation	Holders
manufacturer's article number  of supplied contact module of supplied contact module at position 1 as 11400-1AA10-1BA0 of the supplied contact module at position 1 as 11500-0AA10-0AA0 Actuator  design of the actuating element number of contact modules 1 Holder  material of the holder  Display number of LED modules 0 General technical data product function positive opening product function positive opening No elight source series resistor No series resistor No insulation voltage rated value degree of pollution surge voltage resistance rated value according to IEC 60068-2-27 for for railway applications according to EN 61373 operating frequency maximum machanical service life (operating cycles) typical thermal current for the Characteristic MCB continuous current of the Characteristic MCB continuous current of the DIAZED fuse link gG Substance Poliblaticae (Oate) service voltage 10 AC Substance Poliblaticae (Oate) 10 AC Substance Prohibitance (Oate) 10 AC Continuous current of the DIAZED fuse link gG 10 A Substance Prohibitance (Oate) 10 AC Operating voltage 11 AC	design of the product	holder for plastic
of supplied contact module     of supplied contact module at position 1     of the supplied holder     of the supplied holder  Actuator  design of the actuating element     umber of contact modules        Indicate	product type designation	3SU1
of supplied contact module at position 1 of the supplied holder 3SU1500-QAA10-DAA0  Actuator  design of the actuating element number of contact modules 1  Holder  material of the holder Plastic  Display number of LED modules 0  General technical data product function positive opening product component diode ilamp transformer signification No series resistor No series resistor Insulation voltage rated value degree of politution surge voltage resistance rated value for resistance according to IEC 60068-2-27 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum mechanical service life (operating cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the Quick DIAZED fuse link gG Substance Positiatine (Date) continuous current of the QLAZED fuse link gG Substance Positiatine (Date) substance (Date) continuous current of the QLAZED fuse link gG Substance Positiatine (Date) continuous current of the QLAZED fuse link gG Substance Positiatine a. AC	manufacturer's article number	
of the supplied holder     Actuator     design of the actuating element	<ul> <li>of supplied contact module</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
Actuator  design of the actuating element 3-way with module number of contact modules 1  Industrial of the holder Plastic  material of the holder Plastic  Display  number of LED modules 0  General technical data  product function positive opening No product component  • 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 operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 10 000 000  thermal 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 G 10 A Substance Prohibitance (Date) 10/01/2014 operating voltage • at AC	<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
design of the actuating element number of contact modules  1  Holder  material of the holder  Display number of LED modules  0  General technical data product function positive opening  No product component  • diode  No • lamp transformer  No • light source  • series resistor  No insulation voltage rated value  degree of pollution  surge voltage resistance rated value  † 6 kV protection class IP of the terminal  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  reference code according to IEC 81346-2  continuous current of the QLAZED fuse link continuous current of the QLAZED fuse link gG  Substance Poblibitance (Date)  • at ACC	<ul> <li>of the supplied holder</li> </ul>	3SU1500-0AA10-0AA0
number of contact modules    Holder	Actuator	
Holder material of the holder Display  number of LED modules 0  General technical data  product component • diode No • lamp transformer • light source No • series resistor insulation voltage rated value  degree of pollution  surge voltage resistance rated value • according to IEC 60068-2-27 • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the Quick DIAZED fuse link gG Substance Voltage IN 600000000000000000000000000000000000	design of the actuating element	3-way with module
material of the holder Plastic  Display  number of LED modules 0  General technical data  product function positive opening No  product component  • 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  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 Quick DIAZED fuse link 10 A  continuous current of the quick DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	number of contact modules	1
number of LED modules  General technical data  product function positive opening  product component  oliode Ilight source Insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP of the terminal shock resistance a cacording to IEC 60068-2-27 if or railway applications according to EN 61373  operating frequency maximum mechanical service life (operating cycles) typical thermal current reference code according to IEC 81346-2 U continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG st AC  operating voltage ot AC	Holder	
number of LED modules  General technical data  product function positive opening  product component  • diode • lamp transformer • light source • series resistor  Insulation voltage rated value  degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  reference code according to IEC 81346-2  continuous current of the Q characteristic MCB  continuous current of the Q LAZED fuse link gG  Substance Poolitique • at AC	material of the holder	Plastic
General technical data product function positive opening  product component  • diode  • lamp transformer  • light source  • series resistor  Insulation voltage rated value  degree of pollution  surge voltage resistance rated value  • 6 kV  protection class IP of the terminal  shock resistance  • according to IEC 60068-2-27  • for rallway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the QLAZED fuse link continuous current of the plaZED fuse link gG  Substance Prohibitance (Date)  • at AC	Display	
product component  e diode  lamp transformer  light source  series resistor  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  e according to IEC 60068-2-27  for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  reference code according to IEC 81346-2  continuous current of the QIAZED fuse link gG  Substance Pload Cate  at ACC  No  No  No  No  No  No  No  No  No	number of LED modules	0
product component  • diode • lamp transformer No • light source • series resistor Insulation voltage rated value degree of pollution surge voltage resistance rated value e according to IEC 60068-2-27 • for railway applications according to EN 61373  operating frequency maximum mechanical service life (operating cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the DIAZED fuse link gG Substance Prohibitance (Date) • at AC	General technical data	
diode     lamp transformer     No     light source     No     series resistor     No insulation voltage rated value     degree of pollution     surge voltage resistance rated value     protection class IP of the terminal     shock resistance          according to IEC 60068-2-27          sinusoidal half-wave 15g / 11 ms          of railway applications according to EN 61373	product function positive opening	No
In lamp transformer In light source Insulation voltage rated value Insulation voltage rated value Insulation voltage rated value Insulation voltage rated value Insulation voltage resistance rated value Insulation voltage resistance rated value Insulation voltage resistance rated value Insulation class IP of the terminal IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20	product component	
Insulation voltage rated value     Son V  degree of pollution     Surge voltage resistance rated value     protection class IP of the terminal     shock resistance     **according to IEC 60068-2-27     **sinusoidal half-wave 15g / 11 ms     **of railway applications according to EN 61373     Operating frequency maximum     mechanical service life (operating cycles) typical     thermal current     reference code according to IEC 81346-2     continuous current of the C characteristic MCB     continuous current of the quick DIAZED fuse link gG     Substance Prohibitance (Date)     operating voltage     **at AC	• diode	No
insulation voltage rated value     insulation voltage rated value     degree of pollution     surge voltage resistance rated value     insulation voltage resistance     insulation voltage resistance     insulation voltage resistance     insulation voltage voltage voltage voltage voltage voltage voltage     insulation voltage voltage     insulation voltage voltage     insulation volt	<ul> <li>lamp transformer</li> </ul>	No
insulation voltage rated value  degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  protection class IP of the terminal  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  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	• light source	No
degree of pollution  surge voltage resistance rated value  protection class IP of the terminal  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	series resistor	No
surge voltage resistance rated value  protection class IP of the terminal  shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	insulation voltage rated value	500 V
protection class IP of the terminal  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  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  Continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	degree of pollution	3
shock resistance  • according to IEC 60068-2-27  • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	surge voltage resistance rated value	6 kV
according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms     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     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     continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)     10/01/2014  operating voltage     at AC	protection class IP of the terminal	IP20
<ul> <li>◆ for 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</li> <li>reference code according to IEC 81346-2</li> <li>Continuous current of the C characteristic MCB</li> <li>10 A; for a short-circuit current smaller than 400 A</li> <li>continuous current of the quick DIAZED fuse link</li> <li>10 A</li> <li>continuous current of the DIAZED fuse link gG</li> <li>10 A</li> <li>Substance Prohibitance (Date)</li> <li>operating voltage</li> <li>at AC</li> </ul>	shock resistance	
operating frequency maximum  mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  Continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
mechanical service life (operating cycles) typical  thermal current  10 A  reference code according to IEC 81346-2  Continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC	for railway applications according to EN 61373	Category 1, Class B
thermal current  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  substance Prohibitance (Date)  operating voltage  • at AC	operating frequency maximum	3 600 1/h
reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC	mechanical service life (operating cycles) typical	10 000 000
continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC	thermal current	10 A
continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  10 A  Substance Prohibitance (Date)  operating voltage  • at AC	reference code according to IEC 81346-2	U
continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC	continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
Substance Prohibitance (Date)  operating voltage  • at AC	·	10 A
operating voltage  • at AC	continuous current of the DIAZED fuse link gG	10 A
• at AC	Substance Prohibitance (Date)	10/01/2014
	operating voltage	
— at 50 Hz rated value 5 500 V	• 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 male (5 V, 1 mA)	operation per 10 million		
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	1			
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>	Screw-type terminal			
type of connectable conductor cross-sections				
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)			
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)			
<ul> <li>finely stranded without core end processing</li> </ul>	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	1 1.2 N·m		
tightening torque				
<ul> <li>with screw-type terminals</li> </ul>	0.8 0.9 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, 3C3, 3K6 (with relative air humidity of 10 condensation in operation permitted)	) 95%, no		
Installation/ mounting/ dimensions				
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			
installation depth	49.8 mm			
thickness of the front plate usable	1 6 mm			
Approvals Certificates				
General Product Approval		Declaration of Conformity		

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Confirmation









Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







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=3SU1500-1AA10-1BA0

#### Cax online generator

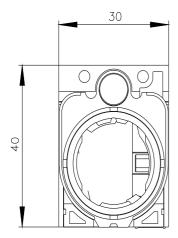
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1500-1AA10-1BA0

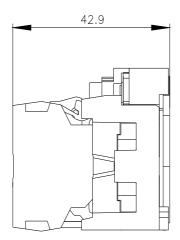
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

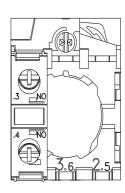
https://support.industry.siemens.com/cs/ww/en/ps/3SU1500-1AA10-1BA0

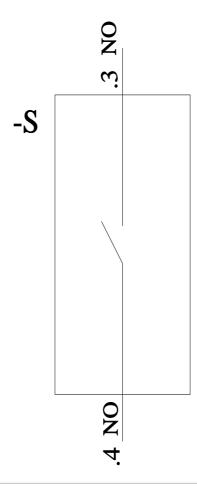
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1500-1AA10-1BA0&lang=en









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