3SU1400-1AA10-1CA0

Data sheet



Contact module with 1 contact element, 1 NC, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple of this $\,$

product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1
Contact block/ lampholder	
socket design	other
General technical data	
product function positive opening	Yes
insulation voltage rated value	500 V
degree of pollution	3
type of voltage	
 of the operating voltage 	AC/DC
of the input voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	
• of the enclosure	IP40
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
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	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)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1

 lagging switching 	0
number of NO contacts for auxiliary contacts	0
 leading contact 	0
operational current at AC-12	
at 24 V rated value	10 A
at 48 V rated value	10 A
at 110 V rated value	10 A
at 230 V rated value	8 A
at 400 V rated value	8 A
operational current at AC-15	
at 24 V rated value	6 A
at 48 V rated value	6 A
at 110 V rated value	6 A
at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value	1.4 A
operational current at DC-12	
at 24 V rated value	10 A
• at 48 V rated value	5 A
• at 110 V rated value	2.5 A
• at 230 V rated value	1 A
• at 400 V rated value	0.3 A
• at 500 V rated value	0.3 A
operational current at DC-13	
at 24 V rated value	3 A
• at 48 V rated value	1.5 A
 at 110 V rated value 	0.7 A
at 230 V rated value	0.3 A
 at 400 V rated value 	0.1 A
at 500 V rated value	0.1 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 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)
for AWG cables tightening torque with screw-type terminals	2x (18 14) 0.8 0.9 N·m
tightening torque with screw-type terminals	
tightening torque with screw-type terminals Ambient conditions	
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation	0.8 0.9 N·m
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage	0.8 0.9 N·m -25 +70 °C -40 +80 °C
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation	0.8 0.9 N·m -25 +70 °C
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721	0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint	0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD)	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories	0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories height	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting Front plate mounting 33.2 mm
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories height width	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting Front plate mounting 33.2 mm 9.8 mm
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting Front plate mounting 33.2 mm 9.8 mm
tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth suitability for integration	-25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes 0.787 kg 0.566 kg 0.235 kg -0.015 kg front plate mounting Front plate mounting 33.2 mm 9.8 mm 27.7 mm









Confirmation



General Product Approval

Test Certificates

Marine / Shipping



<u>KC</u>



Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other

Environment







Confirmation

EPD Typ II/III (with life cylce assessment)

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=3SU1400-1AA10-1CA0

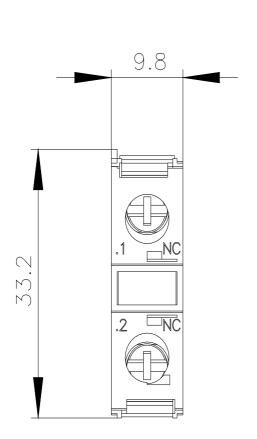
Cax online generator

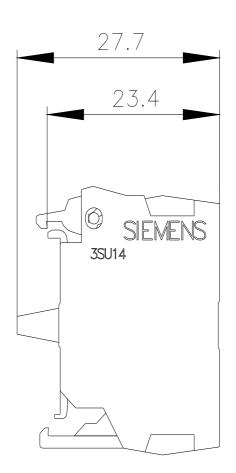
 $Service \& Support \ (Manuals, Certificates, Characteristics, FAQs, ...)$

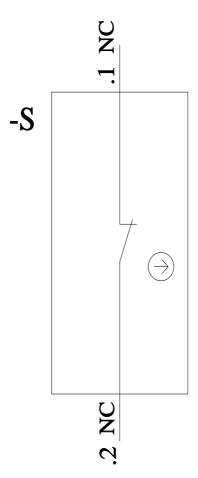
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1CA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1CA0&lang=en







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