product brand name

3SU1400-1AA10-1CA0 **Data sheet**

SIRIUS ACT



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





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 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	1A
• 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 	
standed man one one proceeding	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
	2x (1,0 1,5 mm²) 2x (18 14)
finely stranded without core end processing	2x (1,0 1,5 mm²)
finely stranded without core end processingfor AWG cables	2x (1,0 1,5 mm²) 2x (18 14)
finely stranded without core end processing for AWG cables tightening torque with screw-type terminals	2x (1,0 1,5 mm²) 2x (18 14)
finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions	2x (1,0 1,5 mm²) 2x (18 14)
finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature	2x (1,0 1,5 mm²) 2x (18 14) 0.8 0.9 N·m
• finely stranded without core end processing • for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	2x (1,0 1,5 mm²) 2x (18 14) 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
• finely stranded without core end processing • for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721	2x (1,0 1,5 mm²) 2x (18 14) 0.8 0.9 N·m -25 +70 °C -40 +80 °C
• finely stranded without core end processing • for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental footprint	2x (1,0 1,5 mm²) 2x (18 14) 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)
• finely stranded without core end processing • for AWG cables 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)	2x (1,0 1,5 mm²) 2x (18 14) 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)
• finely stranded without core end processing • for AWG cables 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	2x (1,0 1,5 mm²) 2x (18 14) 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
• finely stranded without core end processing • for AWG cables 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	2x (1,0 1,5 mm²) 2x (18 14) 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
• finely stranded without core end processing • for AWG cables 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	2x (1,0 1,5 mm²) 2x (18 14) 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
finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 60721 Environmental Fooduct 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	2x (1,0 1,5 mm²) 2x (18 14) 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
• finely stranded without core end processing • for AWG cables 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 Siemens Eco Profile (SEP)	2x (1,0 1,5 mm²) 2x (18 14) 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
• finely stranded without core end processing • for AWG cables 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 Siemens Eco Profile (SEP) Installation/ mounting/ dimensions	2x (1,0 1,5 mm²) 2x (18 14) 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 Siemens EcoTech
• finely stranded without core end processing • for AWG cables 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 Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method	2x (1,0 1,5 mm²) 2x (18 14) 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 Siemens EcoTech
• finely stranded without core end processing • for AWG cables 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 Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories	2x (1,0 1,5 mm²) 2x (18 14) 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 Siemens EcoTech front plate mounting Front plate mounting
• finely stranded without core end processing • for AWG cables 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 Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories height	2x (1,0 1,5 mm²) 2x (18 14) 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 Siemens EcoTech front plate mounting Front plate mounting Front plate mounting 33.2 mm
• finely stranded without core end processing • for AWG cables 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 Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories	2x (1,0 1,5 mm²) 2x (18 14) 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 Siemens EcoTech front plate mounting Front plate mounting

suitability for integration

- plastic enclosure
- metal enclosure

Yes Yes

Approvals Certificates

General Product Approval









Confirmation



General Product Approval

Marine / Shipping



<u>KC</u>



Type Test Certificates/Test Report

Test Certificates

Special Test Certificate



Marine / Shipping



Confirmation

other



Environment

Siemens EcoTech



Environment

Environmental Confirmations

Further information

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)

Cax online generator

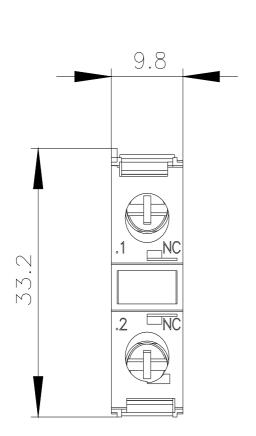
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1CA0

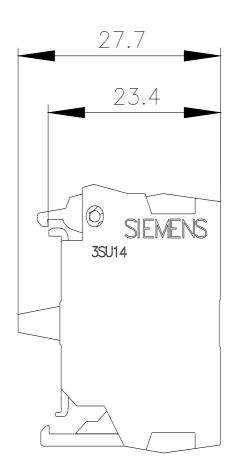
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

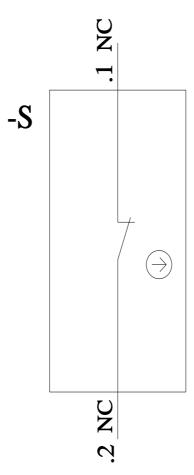
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1CA0

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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