SIEMENS

Data sheet



Siemens

Contact module with 1 contact element, 1 NC, screw-type terminal, for floor mounting, Z = minimum order quantity 1 or a multiple thereof



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
Weight	11 g
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)

Seeign of the contact of auxiliary contacts Silver allay	Auxiliary circuit	
Immber of NC contacts for auxillary contacts 1 0 0 0 0 0 0 0 0 0		Silver alloy
Beging switching	•	
number of NO contacts for auxiliary contacts 0 operational current at AC-12 *** *** at 34 V ridet value 10 A *** at 48 V ridet value 10 A *** at 10 V rated value 8 A *** at 100 V rated value 8 A *** at 100 V rated value 6 A *** at 220 V rated value 6 A *** at 110 V rated value 6 A *** at 120 V rated value 6 A *** at 150 V rated value 6 A *** at 150 V rated value 1 A *** at 150 V rated value 1 A *** at 150 V rated value 1 A *** at 140 V rated value 2 A *** at 140 V rated value 2 A *** at 140 V rated value 2 A *** at 140 V rated value 3 A *** at 140 V rated value 3 A *** at 140 V rated value 3 A *** at 24 V rated value 3 A *** at 24 V rated value 1 A *** at 24 V rated value 1 A *** at 34 V rated value 3 A *** at 44 V rated value <	· · · · · · · · · · · · · · · · · · ·	0
making cortact 0		0
		0
12 44 V rated value	· · · · · · · · · · · · · · · · · · ·	
• al 110 V rated value	at 24 V rated value	10 A
e. at 2.30 V rated value	at 48 V rated value	10 A
• al 400 V rated value	• at 110 V rated value	10 A
A	at 230 V rated value	8 A
12.4 V rated value	• at 400 V rated value	8 A
e at 48 V rated value	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 500 V rated value otal 24 V rated value otal 24 V rated value otal 24 V rated value otal 25 A otal 110 V rated value otal 26 V rated value otal 27 V rated value otal 27 V rated value otal 28 V rated value otal 29 V rated value otal 20 V	at 230 V rated value	6 A
at 24 V rated value	• at 400 V rated value	3 A
at 24 V rated value	at 500 V rated value	1.4 A
at 48 V rated value	operational current at DC-12	
at 110 V rated value	• at 24 V rated value	10 A
	• at 48 V rated value	5 A
■ at 400 V rated value ■ at 500 V rated value ■ at 500 V rated value ■ at 500 V rated value ■ at 42 V rated value ■ at 48 V rated value ■ at 48 V rated value ■ at 430 V rated value ■ at 230 V rated value ■ at 230 V rated value ■ at 230 V rated value ■ at 250 V rated value ■ at 250 V rated value ■ at 500 V rated v	• at 110 V rated value	2.5 A
operational current at DC-13	• at 230 V rated value	1 A
at 24 V rated value	• 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 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value 0.1 A 0.1 A 0.1 A 0.1 A 0.1 A Connections/ Terminals type of electrical connection screw terminal type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • for AWG cables • for AWG cables • for AWG cables • during operation • during operation • during operation • during operation • during operation according to IEC 60721 Environmental footprint Environmental Froduct Declaration(EPD) global warming potential [CO2 eq] during manufacturing global warming potential [CO2 eq] during operation • of modules and accessories fastening method • of modules and accessories height • of modules and accessories environ mounting/ fillow mounting/ floor mounting • of modules and accessories height width 0.3 A 0.1 A	at 48 V rated value	1.5 A
at 400 V rated value at 500 V rated value Connections/ Terminals type of electrical connection screw terminal type of connectable conductor cross-sections solid with core end processing solid with core end processing finely stranded with core end processing finely stranded with core end processing for AWG cables for AWG cables ambient conditions ambient temperature during operation (CO2 eq) during manufacturing dipobal warming potential [CO2 eq) during manufacturing dipobal warming potential [CO2 eq) during manufacturing dipobal warming potential [CO2 eq) during operation during operat	at 110 V rated value	0.7 A
• at 500 V rated value Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • for AWG cables ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 80721 Environmental Product Declaration(EPD) global warming potential [CO2 eq] during manufacturing global warming potential [CO2 eq] during manufacturing global warming potential [CO2 eq] during end of the second	at 230 V rated value	0.3 A
type of electrical connection type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables • for AWG cables • for awg capable for the finely stranded with core end processing • for awg capable for awg	at 400 V rated value	0.1 A
type of electrical connection type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables • for AWG cables • for AWG cables • during operation • during operation • during storage • environmental category during operation according to IEC 60721 Environmental Froduct Declaration(EPD) Environmental Product Declaration(EPD) Siglobal warming potential [CO2 eq] during amanufacturing global warming potential [CO2 eq] during operation global warming ope	at 500 V rated value	0.1 A
type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • for AWG cables • for AWG cables 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] during manufacturing global warming potential [CO2 eq] during operation 0.235 kg global warming potential [CO2 eq] after end of life slemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories for avide with core end processing 2x (1.0 1,5 mm²) 2x	Connections/ Terminals	
• solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables • for AWG cables • for AWG cables • during 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] during manufacturing global warming potential [CO2 eq] during manufacturing global warming potential [CO2 eq] during operation global warming potential [CO2 eq] during operation global warming potential [CO2 eq] during operation 0.235 kg Siemens Eco Profile (SEP) fastening method • of modules and accessories floor mounting floor mounting floor mounting floor mounting height width	type of electrical connection	screw terminal
• solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables 2x (1,0 1,5 mm²) • for AWG cables 2x (18 14) 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 -0.015 kg Siemens Eco Profile (SEP) Siemens Eco Profile (SEP) Siemens Eco Profile (SEP) Tornounting fastening method of modules and accessories Floor mounting height width	type of connectable conductor cross-sections	
 • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables • for AWG cables • to AWG cables • during torque with screw-type terminals • 0.8 0.9 N-m Ambient conditions ambient temperature • during operation • during storage • abo °C environmental category during operation according to IEC 60721 3M6, 352, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in 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 Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method of modules and accessories floor mounting height 33.2 mm width 9.8 mm 	 solid with core end processing 	2x (0.5 0.75 mm²)
• finely stranded without core end processing • for AWG cables 2x (1,0 1,5 mm²) 2x (18 14) tightening torque with screw-type terminals 0.8 0.9 N⋅m Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 80%, no condensation in operation permitted) Environmental Product Declaration(EPD) global warming potential [CO2 eq] total global warming potential [CO2 eq] during manufacturing global warming potential [CO2 eq] after end of life 3iemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories height width 2x (1,0 1,5 mm²) 2x (18 14) 0.8 14) 0.8 0.9 N⋅m 2x (18 14) 2x (18	 solid without core end processing 	2x (1.0 1.5 mm²)
	 finely stranded with core end processing 	2x (0.5 1.5 mm²)
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ambient temperature		
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 width 9.8 mm		0.8 0.9 N·m
• during operation • during storage -40 +80 °C 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] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories filoor mounting height vidth -25 +70 °C -40 +80 °C 3M6, 352, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Yes global warming potential [CO2 eq] total 0.787 kg 0.566 kg global warming potential [CO2 eq] during operation 0.235 kg siemens Eco Profile (SEP) Siemens EcoTech Installation/ mounting/ dimensions floor mounting height 9.8 mm	Ambient conditions	
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fastening method floor mounting ● of modules and accessories Floor mounting height 33.2 mm width 9.8 mm		
● of modules and accessories Floor mounting height 33.2 mm width 9.8 mm		floor mounting
height 33.2 mm width 9.8 mm		
width 9.8 mm		
	-	
depth 27.7 mm	width	9.0 11111

suitability for integration

- plastic enclosure
- metal enclosure

Yes Yes

Approvals Certificates

General Product Approval













Test Certificates

other

Environment

Type Test Certificates/Test Report

Special Test Certificate

Confirmation







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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-2AA10-1CA0-Z X01

Cax online generator

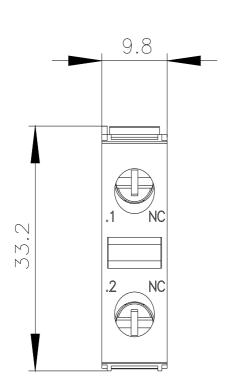
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-2AA10-1CA0-Z~X01-1CA$

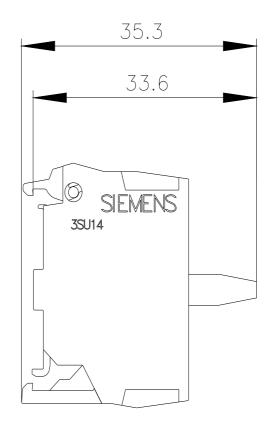
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

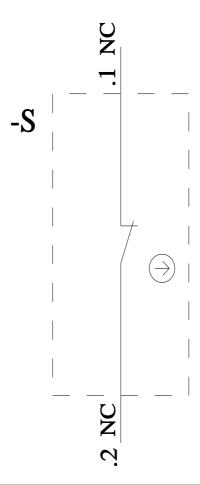
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-1CA0-Z X01

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-1CA0-Z X01&lang=en







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