Data sheet

SIEMENS

3SU1400-3AA10-5BA0



Contact module with 1 contact element, 1 NO, soldered connection, for use on printed circuit boards

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	No
insulation voltage rated value	250 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	4 kV
protection class IP	
• of the enclosure	IP40
of the terminal	IP00
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	5 240 V
— at 60 Hz rated value	5 240 V
 at DC rated value 	5 250 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

type of electrical connection Ambient conditions ambient temperature	lagging switching	0
a 2 4 V rated value	number of NO contacts for auxiliary contacts	1
• at 24 V rated value	leading contact	0
all 148 V rated value	operational current at AC-12	
• at 110 V rated value 10 A • at 230 V rated value 6A • at 24 V rated value 6A • at 24 V rated value 6A • at 48 V rated value 6A • at 48 V rated value 6A • at 230 V rated value 6A • at 230 V rated value 6A • at 230 V rated value 9A • at 230 V rated value 9A • at 24 V rated value 9A • at 24 V rated value 9A • at 24 V rated value 1DC-12 • at 24 V rated value 1DC-13 • at 24 V rated value 1A • at 250 V rated val	at 24 V rated value	10 A
• at 230 V rated value	at 48 V rated value	10 A
e 12 4V rated value 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6	at 110 V rated value	10 A
at 124 V rated value at 48 V rated value ball to V rated value at 1230 V rated value ball to V rated value ba	at 230 V rated value	10 A
• at 148 V rated value • at 110 V rated value • at 230 V rated value • at 230 V rated value • at 24 V rated value • at 148 V rated value • at 148 V rated value • at 230 V rated value • at 200 V rated value • during operation • during operation • during operation • during storage environmental category during operation according to IEC 60721 95%, no condensation in operation permitted) *** ***Total Circuit board • of modules and accessories Printed circuit board • of modules and accessories Printed circuit board • of modules and accessories Printed circuit board • of modules and accessories Printed circuit board • plastic enclosure • metal enclosure • Mo • metal enclosure • Mo • metal enclosure • Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 **Certificates/ approvals**	operational current at AC-15	
at 110 V rated value at 230 V rated value bit 24 V rated value cat 24 V rated value cat 24 V rated value cat 25 V rated value cat 26 V rated value cat 27 V rated value cat 28 V rated value cat 29 V	at 24 V rated value	6 A
operational current at DC-12 • at 24 V rated value • at 110 V rated value • at 110 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 30 V rated value • at 25 W rated value • a	at 48 V rated value	6 A
e at 24 V rated value 10 A e at 48 V rated value 2.5 A e at 110 V rated value 2.5 A e at 110 V rated value 1A e at 230 V rated value 2.5 A e at 110 V rated value 1A e at 230 V rated value 2.5 A e at 230 V rated value 1A e at 24 V rated value 3 A e at 48 V rated value 3.5 A e at 48 V rated value 3.5 A e at 48 V rated value 3.5 A e at 110 V rated value 3.5 A e at 110 V rated value 3.5 A e at 110 V rated value 3.5 A e at 230 V rated value 4.5 A e at 230 V rated value 3.5 A e at 230 V rated value 4.5 A e at 230 V rated value 5.5 A e at 230 V rated value 5.5 A e at 230 V rated value 5.5 A e at 230 V rated value 6.5 A e at 230 V rated value 6.5 A e at 230 V rated value 7.5 A e at 24 V rated value 7.5 A e at 25 V r	• at 110 V rated value	6 A
• at 24 V rated value 5 A • at 48 V rated value 5 A • at 110 V rated value 2.5 A • at 230 V rated value 1 A operational current at DC-13 • at 24 V rated value 3 A • at 24 V rated value 3.5 A • at 24 V rated value 3.5 A • at 24 V rated value 4.5 A • at 250 V rated value 5.5 A • at 250 V rated value 6.5 A • at 250 V rated value 7.5 A • at 250 V rated value 7.5 A • at 250 V rated value 8.5 A • at 250 V rated value 8.5 A • at 250 V rated value 8.5 A • at 250 V rated value 9.5 A • at 250 V ra	at 230 V rated value	4 A
• at 48 V rated value 5 A • at 110 V rated value 2.5 A • at 230 V rated value 11 A operational current at DC-13 • at 24 V rated value 3 A • at 48 V rated value 3.A • at 48 V rated value 3.A • at 48 V rated value 0.7 A • at 230 V rated value 0.3 A or at 430 V rated value 0.3 A or at 430 V rated value 0.3 A connections/ Terminals type of electrical connection Socket connection (THT) Ambient conditions ambient temperature • during operation 2.5 +70 °C • during storage 4.0 +80 °C environmental category during operation according to IEC 35%, no condensation in operation permitted) nstallation/ mounting/ dimensions fastening method 9 rinted circuit board • of modules and accessories Printed circuit board • of modules and accessories Printed circuit board • of modules of modules of modules of the service of the soldering method • plastic enclosure • plastic enclosure • metal enclosure • metal enclosure parameter of the soldering method Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Certificates/ approvals	operational current at DC-12	
e at 110 V rated value e at 230 V rated value 1 A operational current at DC-13 e at 24 V rated value 1 .5 A e at 48 V rated value 1 .5 A e at 110 V rated value 0 .7 A e at 230 V rated value 0 .3 A Connections/ Terminals type of electrical connection Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 60721 environmental category according to IEC 60721 environmental category according to	• at 24 V rated value	10 A
• at 230 V rated value operational current at DC-13 • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 230 V rated value O.7 A • at 230 V rated value O.8 Socket connection (THT) ***The provided of the provided	• at 48 V rated value	5 A
e at 24 V rated value 3 A 3 A 4 4 8 V rated value 0.7 A 0.3 A 5 4 4 8 V rated value 0.7 A 0.3 A 5 4 4 8 V rated value 0.7 A 0.3 A 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	• at 110 V rated value	2.5 A
at 24 V rated value at 48 V rated value at 140 V rated value at 230 V rated value at 230 V rated value at 230 V rated value because of a 230 V rated value at 230 V rated value at 230 V rated value because of a 230 V rated value Socket connections (THT) Ambient conditions ambient temperature during operation during operation during storage environmental category during operation according to IEC 60721 environmental category during operation 60723 environmental category during operation 60723 environmental category during operation 60724 environmental category during operation 607	at 230 V rated value	1 A
at 48 V rated value at 110 V rated value at 230 V rated value 0.3 A Connections/ Terminals Type of electrical connection Socket connection (THT) Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC environmental category during operation according to IEC environmental category durin	operational current at DC-13	
• at 110 V rated value • at 230 V rated value 0.3 A Connections/ Terminals type of electrical connection Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 astallation/ mounting/ dimensions fastening method • of modules and accessories height author in the plastic enclosure • metal enclosure parameter of the soldering method Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	at 24 V rated value	3 A
e at 230 V rated value Connections/ Terminals type of electrical connection Ambient conditions ambient temperature e during operation e during storage environmental category during operation according to IEC 60721 statellation/ mounting/ dimensions fastening method e of modules and accessories Printed circuit board Printed circuit board 18.5 mm 7.6 mm depth suitability for integration e plastic enclosure netal enclosure No No e metal enclosure No Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2	• at 48 V rated value	1.5 A
type of electrical connection Ambient conditions ambient temperature	at 110 V rated value	0.7 A
type of electrical connection Ambient conditions ambient temperature	at 230 V rated value	0.3 A
ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 statenting method • of modules and accessories height width depth suitability for integration • plastic enclosure • metal enclosure • maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	Connections/ Terminals	
ambient temperature	type of electrical connection	Socket connection (THT)
 during operation during storage during storage environmental category during operation according to IEC 60721 assallation/ mounting/ dimensions fastening method of modules and accessories height width depth suitability for integration plastic enclosure metal enclosure metal enclosure metal enclosure parameter of the soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure prin soldering point quality according to IPC A-610 Class 2 	Ambient conditions	
 during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) nstallation/ mounting/ dimensions fastening method of modules and accessories Printed circuit board height 18.5 mm width 7.6 mm depth suitability for integration plastic enclosure metal enclosure no metal enclosure No type of soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts parameter of the soldering method Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 	ambient temperature	
environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) statellation/ mounting/ dimensions fastening method Printed circuit board • of modules and accessories Printed circuit board height 18.5 mm width 7.6 mm depth 16.2 mm suitability for integration • plastic enclosure No • metal enclosure No type of soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts parameter of the soldering method Class 2 Certificates/ approvals	during operation	-25 +70 °C
95%, no condensation in operation permitted) nstallation/ mounting/ dimensions fastening method	during storage	-40 +80 °C
Fastening method ● of modules and accessories Printed circuit board Printed circuit board Printed circuit board 18.5 mm 18.5 mm Width 7.6 mm depth suitability for integration ● plastic enclosure ● metal enclosure No type of soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin Soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	60721	
of modules and accessories Printed circuit board 18.5 mm width 7.6 mm depth 16.2 mm suitability for integration • plastic enclosure • metal enclosure No type of soldering method parameter of the soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	Installation/ mounting/ dimensions	
height width 7.6 mm depth 16.2 mm suitability for integration • plastic enclosure • metal enclosure type of soldering method parameter of the soldering method soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	fastening method	Printed circuit board
width 7.6 mm depth 16.2 mm suitability for integration • plastic enclosure No type of soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts parameter of the soldering method Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	of modules and accessories	
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suitability for integration • plastic enclosure • metal enclosure No type of soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	width	
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● metal enclosure type of soldering method Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts parameter of the soldering method Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	-	
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must not come into contact with the plastic parts and enclosure parts parameter of the soldering method Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals		
pin soldering point quality according to IPC A-610 Class 2 Certificates/ approvals	· ·	must not come into contact with the plastic parts and enclosure parts
Certificates/ approvals	parameter of the soldering method	
	soldering point quality according to IPC A-610	Class 2
General Product Approval Declaration of Conformity	Certificates/ approvals	
	General Product Approval	Declaration of Conformity

Confirmation



<u>KC</u>







Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









other Environment

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=3SU1400-3AA10-5BA0

Cax online generator

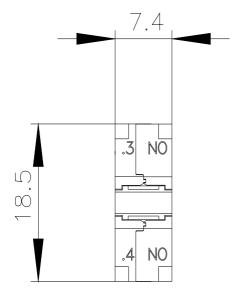
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-3AA10-5BA0

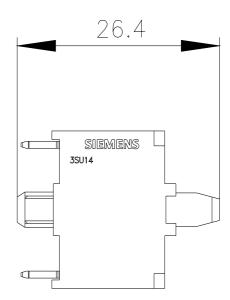
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

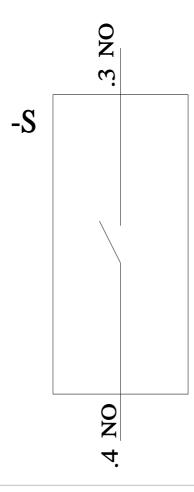
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-3AA10-5BA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-3AA10-5BA0&lang=en







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