SIEMENS

Data sheet



Contact module with 2 contact elements, 1 NO+1 NC, screw terminal, for front plate mounting, Z=150-unit packaging

product designation 38U1 Contact block/ lampholder socket design Socke	product brand name	SIRIUS ACT
Contact block/ lampholder socket design Other General tochnical data product function positive opening Production Providage Providage Providage Providage Providage Providage Providage Providage Providage Providection class IP Providection class	product designation	Contact module
socket design other General technical data product function positive opening product function positive opening insulation voltage rated value product function positive opening product function positive opening product function positive opening product of the coperating voltage and CIDC production production of the operating voltage and CIDC production of the operating voltage and CIDC production disas IP protection class IP protection protection class IP protection protecti	product type designation	3SU1
Contral technical data product function positive opening reference code according to IEC 81346-2 contianuous current of the C characteristic MCB Substance Prohibitance (Date) at DC at DC at DC 500 V 4C/DC 500 V 4C/DC 500 V 6 kV 6	Contact block/ lampholder	
insulation voltage rated value 500 V degree of pollution 3 **Yee of voltage of the operating voltage of the input voltage of the operating voltage of the operating voltage of the operating voltage of the operating voltage of the v	socket design	other
insulation voltage rated value 500 V degree of pollution 3 type of voltage	General technical data	
degree of pollution type of voltage of the operating voltage of the operating voltage AC/DC surge voltage resistance rated value of the endosure of the endosure of the terminal shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B vibration vibrations Category 1, Class B vibration vibrations Category 1, Class B 10 500 V/ Septimary vibrations on the terminal on the vibrations according to IEC 60068-2-8 at Category 1, Class B vibration vibrations Category 1, Class B vibration vibrations Category 1, Class B 10 500 V/ Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	product function positive opening	Yes
type of voltage of the operating voltage of the operating voltage AC/DC surge voltage resistance rated value protection class IP of the enclosure of the terminal IP40 IP20, clamping screw tightened Shock resistance according to IEC 60068-2-47 of or railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g of railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical for an incompany to IEC 81346-2 Substance Prohibitance (Date) 10 A reference code according to IEC 81346-2 Substance Prohibitance (Date) 10 A Substance Prohibitance (Date) 10 A 10 A Substance Prohibitance (Date) 10 Category I, Class B 10 A Substance Prohibitance (Date) 10 Category I, Class B 10 A Substance Prohibitance (Date) 10 A 10 A Power Electronics contact reliability Che maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (47 V, 5 mA), one maloperation per 10 million (48 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts	insulation voltage rated value	500 V
of the operating voltage of the input voltage surge voltage resistance rated value of the enclosure of the enclosure of the terminal shock resistance ocarding to IEC 60068-2-27 of railway applications according to EN 61373 category 1, Class B vibration resistance ocarding to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance ocarding to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B operating frequency maximum 3600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical intermal current 10 A reference code according to IEC 81346-2 scontinuous current of the C characteristic MCB substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at OR Hz rated value • at OR Hz rated value ocarding to IEC 8146-2 scontact reliability one maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (45 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	degree of pollution	3
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of the terminal shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating to IEC 81346-2	protection class IP	
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• for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at Dc ra	shock resistance	
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o according to IEC 60068-2-6 o for railway applications according to EN 61373 operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical in 0 000 000 thermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at SO V Power Electronics contact reliability Cone 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	 for railway applications according to EN 61373 	Category 1, Class B
• for railway applications according to EN 61373 operating frequency maximum	vibration resistance	
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mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) 10 A Substance Prohibitance (Date) 10/01/2014 operating voltage • at AC - at 50 Hz rated value - 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	 for railway applications according to EN 61373 	Category 1, Class B
electrical endurance (operating cycles) typical thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million Auxiliary circuit design of the contact of auxiliary contacts SIlver alloy	operating frequency maximum	3 600 1/h
thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • at DC rated value • at DC rated value contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	mechanical service life (operating cycles) typical	10 000 000
reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value • at 60 Hz rated value • at DC rated value 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	electrical endurance (operating cycles) typical	10 000 000
continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — 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	thermal current	10 A
Substance Prohibitance (Date) operating voltage at AC at 50 Hz rated value at DC rated value at DC rated value 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	reference code according to IEC 81346-2	S
operating voltage	continuous current of the C characteristic MCB	10 A
at AC — at 50 Hz rated value — 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	Substance Prohibitance (Date)	10/01/2014
- 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	operating voltage	
- 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	• at AC	
• 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	— at 50 Hz 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	— at 60 Hz rated value	5 500 V
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	 at DC rated value 	5 500 V
Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	Power Electronics	
design of the contact of auxiliary contacts Silver alloy	contact reliability	
· ·	Auxiliary circuit	
	design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	number of NC contacts for auxiliary contacts	1

 lagging switching 	0
number of NO contacts for auxiliary contacts	1
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 at 500 V rated value	1.4 A
operational current at DC-12	LAN
at 24 V rated value	10 A
at 48 V rated value	5 A
at 110 V rated value 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	0.071
at 24 V rated value	3 A
at 48 V rated value	1.5 A
at 110 V rated value at 110 V rated value	0.7 A
at 230 V rated value	0.3 A
at 400 V rated value at 400 V rated value	0.1 A
at 500 V rated value at 500 V rated value	0.1 A
Connections/ Terminals	U.1 A
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	Sciew-type terminals
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 with core end processing finely stranded without core end processing	2x (1,0 1,5 mm²)
• for AWG cables	2x (18 14)
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	0.0 0.3 W III
ambient temperature ● during operation	-25 +70 °C
during operation during storage	-40 +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10
60721	95%, no condensation in operation permitted)
Installation/ mounting/ dimensions	
fastening method	front plate mounting
 of modules and accessories 	Front plate mounting
height	34 mm
width	9.8 mm
depth	49.7 mm
suitability for integration	
plastic enclosure	No
metal enclosure	No
Certificates/ approvals	
Further information	
Siemens has decided to exit the Russian market (see here).	

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=3SU1400-1AA10-1FA0-Z X90

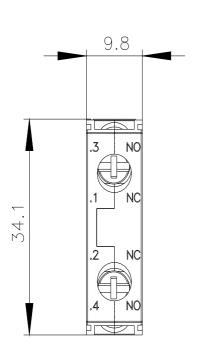
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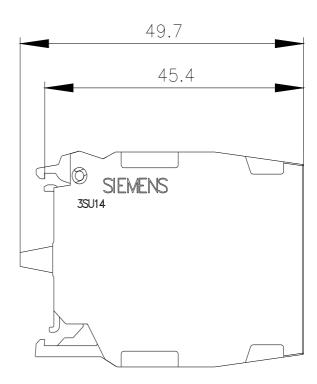
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1FA0-Z X90

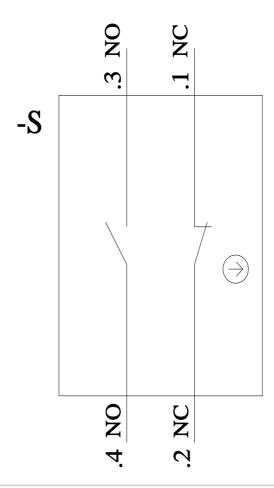
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1FA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1FA0-Z X90&lang=en







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