SIEMENS

Data sheet

3RH2122-1AV60



Contactor relay, 2 NO + 2 NC, 480 V AC, 60 Hz Size S00, screw terminal

product brand name SIRUS product designation Auxiliary contactor product type designation SIRUS General technical data Size of contactor size of contactor S00 product extension auxiliary switch Yes Insulation voltage with degree of pollution 3 at AC rated value 680 V degree of pollution 3 surge voltage resistance at ectangular impulse 6 kV shock resistance at rectangular impulse 6 kV et AC 7,3g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 5 000 000 of the contactor with added auxilary switch block typical 10 000 000 of the contactor with added auxilary switch block typical 10 000 000 e of the contactor with added auxilary switch block typical 10 000 000 finatilation altitude at height above sea level maximum 2000 m ambient conditions -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to EC 60068-2-30 95 % maximum 10 000 1/h at DC 10 000 1/h at DC<		
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• 2 rated value 60 Hz operating range factor control supply voltage rated value of magnet coil at AC	• at 60 Hz rated value	480 V
operating range factor control supply voltage rated value of magnet coil at AC	control supply voltage frequency	
magnet coil at AC	• 2 rated value	60 Hz
	• at 60 Hz	0.85 1.1

	07.1/4
apparent pick-up power of magnet coil at AC	37 VA
inductive power factor with closing power of the coil	0.8
apparent holding power of magnet coil at AC	5.7 VA
inductive power factor with the holding power of the coil	0.25
closing delay	
• at AC	8 33 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
 instantaneous contact 	2
number of NO contacts for auxiliary contacts	2
 instantaneous contact 	2
identification number and letter for switching elements	22 E
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at 1 current path at DC-12	
• at 24 V rated value	10 A
• at 110 V rated value	3 A
• at 220 V rated value	1 A
• at 440 V rated value	0.3 A
• at 600 V rated value	0.15 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
• at 440 V rated value	1.3 A
• at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	10 A
 at 220 V rated value 	3.6 A
• at 440 V rated value	2.5 A
• at 600 V rated value	1.8 A
operating frequency at DC-12 maximum	1 000 1/h
operational current at 1 current path at DC-13	
• at 24 V rated value	10 A
• at 110 V rated value	1 A
at 220 V rated value	0.3 A
• at 440 V rated value	0.14 A
at 600 V rated value	0.1 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
at 100 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
ש מנ זיו ט ע ומוכט עמוטכ	0.0 A

- operating frequency at DC-13 maximum 1 000 1fb C shared manual of could by contacts 1 fourly switching part 100 million (17 V, 1 mA) C unstant witching of auxiliary contacts 1 fourly switching part 100 million (17 V, 1 mA) C unstant witching of auxiliary contacts 1 fourly switching part 100 million (17 V, 1 mA) C unstant witching of auxiliary contacts 1 fourly switching part 100 million (17 V, 1 mA) C unstant witching of auxiliary contacts A600 / D600 Structure of auxiliary contacts 1 fourly switching part 100 million (17 V, 1 mA) C unstant witching of auxiliary contacts 1 fourly switching part 100 million (17 V, 1 mA) Maximum Contact and the first infor a for the cruck part 10 million (17 V, 1 mA) 1 fourly switching part 10 million (17 V, 1 mA) Maximum Contact and the first informations 1 fourly switching part 10 A 1 fourly switching part 10 A Maximum Contact and the first informations 1 fourly switching part 10 A 1 fourly switching part 10 A I four history contacts 1 fourly switching part 10 million (17 V, 1 mA) 1 fourly switching part 10 A I four history contacts 1 fourly switching part 10 million (17 V, 1 mA) 1 fourly switching part 10 million (17 V, 1 mA) I four history contant 10 million (17 V, 1 mA) 1 four history contan	• at 600 V rated value	0.26 A			
design of the ministure drive the backet for whot-decul protection of the sublicity could up 53.00 V C characteristic 6 A: 0.4 kA Contract reliability of sublicity contacts 1 fauly solution (17 V, 1 mA) VictOA reliability of sublicity contacts according to UL A800 / 0000 Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and info short-decup protection of the sublicity Index glugs; 10 A Standing model and information Index glugs; 10 A Standing model and information Index glugs; 10 A Standing model and information Index glugs; 10 A Standing mo					
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17.V, 1 mA) VCGSA reliance contact reliance of colump contacts according to UL Add00 / 0800 Stort-Colump protection design of the have link for short-focul protection of the auxiliary have gLugs 10 A Methalized mounting dimensions +-160° relation possible on vertical mounting surface; can be lifted forward and backwards by +-22.8° on vertical mounting surface; have gLugs 10 A Methalized method screew and snape on mounting on 5.8 mm DiN rail screew and snape on mounting on 5.8 mm DiN rail Method 9.7 mm required spacing in mm edge the have have have have have have have ha	design of the miniature circuit breaker for short-circuit protection				
ULCES A raining Action of the Use of the second ling to UL Action of the dual link for there is up protection of the auxiliary force (Link Force and the second ling to UL) Second of the dual link for there is up protection of the auxiliary dual link for the d		1 faulty switching per 100 million (17 V, 1 mA)			
control training of auxiliary controls according to U. A600 / 6600 Short-Circuit procession A600 / 6600 Short-Circuit procession Inse gLigG: 10 A Statistication muniting dimensions +/160' indition possible on vertical mounting surface, can be blied forward and behavior beh					
Stand-Circuit protection Insertion design of the function from the circuit protection of the auxiliary installation from the function of the auxiliary and control circuit installation of the auxiliary contacts installation contacts in auxiliary contacts installation contacts in auxiliary contacts information of the auxiliary contacts information the front acconding to SN 1920 information of the auxiliary cont		A600 / O600			
design of the fuse link for short Circuit protection of the availary with required Nase gLigG: 10 A Installation/mounting/clinenasions +140° rotation possible on vertical mounting surface: can be titled forward and babaret by vi-22.8° on vertical mounting surface: can be titled forward and babaret by vi-22.8° on vertical mounting surface: can be titled forward and babaret by vi-22.8° on vertical mounting surface: can be titled forward and babaret by vi-22.8° on vertical mounting surface: can be titled forward and babaret by vi-22.8° on vertical mounting surface: can be titled forward and babaret by vi-22.8° on vertical mounting auticate. restricted spacing - forwards 10 mm - wind the side 0 mm - downwards 10 mm - for auxillary contacts <td></td> <td>A0007 Q000</td>		A0007 Q000			
with required installation (multing possible on vertical mounting surface; me tilted forward and better forward and and better forward and better forward and and better forward and better forward and and and and and and and and and an					
mounting position +:160" (rotation possible on vertical mounting surface: and billed floward and berked by +:2.25" convertical mounting surface: and billed floward and billed floward and the state of the state	switch required	Tuse gL/gG: 10 A			
backward by +-22.5° or vertical mounting surface Instanting method screw and snap-on mounting onto 35 mm DN rail Prepire 73 mm width 45 mm despin 73 mm required spacing 97 mm • Unit side by side mounting 10 mm • Unit side bits 10 mm <t< td=""><td>Installation/ mounting/ dimensions</td><td></td></t<>	Installation/ mounting/ dimensions				
height 97.5 mm witch 45 mm dopth 73 mm required spacing • orwards - Growards 10 mm -	mounting position				
witch 45 mm depth 73 mm realied spacing 73 mm • with side-by-side mounting 10 mm • downwards 10 mm • downwards <td>fastening method</td> <td>screw and snap-on mounting onto 35 mm DIN rail</td>	fastening method	screw and snap-on mounting onto 35 mm DIN rail			
depth 73 mm required spacing 73 mm • with side byside mounting 0 mm • downwards 10 mm • downwards 2x (0.5 15 mm ²), 2x (0.75 2.5 mm ²), 2x 4 mm ² Ype of connecta	height	57.5 mm			
required specing • with side-by-side mounting • 0 mm • - (nwards 10 mm • - (normactable conductor cross-sections 6 mm • (normotable conductor cross-sections 6 mm • (normotable conductor cross-sections 6 mm • (nor auxiliary contacts 2x (0.5 1.5 mm?), 2x (0.75 2.5 mm?), 2x 4 mm² • (norly standard with core end processing 2x (0.5 1.5 mm?), 2x (0.75 2.5 mm?), 2x 4 mm² • (norw darded with core end processing 2x (0.5 1.6 mm?), 2x (0.75 2.5 mm?), 2x 4 mm² • (norw darded with core end processing 2x (0.5 1.6 mm?), 2x (0.75 2.5 mm?), 2x 4 mm² • (norw darded with core end processing 2x (0.5 1.6 mm?), 2x (0.75 2.5 mm?), 2x 4 mm² • (norw darded with core end processing 2x	width	45 mm			
• with side by-side mounting 0 mm • orwards 10 mm • orwards 0 mm • orwards <td>depth</td> <td>73 mm</td>	depth	73 mm			
- Gravards 0 mm - Gravards Scravards	required spacing				
- upwards 10 mm - downwards 10 mm - ownards 2 (0.5 1.5 mm ²), 2 (0.75 2.5 mm ²), 2 x 4 mm ² - ownards 2 (0.5 1.5 mm ²), 2 (0.75 2.5 mm ²), 2 x 4 mm ² - ownards 2 (0.5 1.5 mm ²), 2 (0.75 2.5 mm ²), 2 x 4 m ²	• with side-by-side mounting				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	— forwards	10 mm			
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- downwards 10 mm • for live parts 10 mm - forwards 10 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 2 mm - downwards 2 (0.5 1.5 mm?), 2x (0.75 2.5 mm?), 2x 4 mm² - finely stranded with core end processing 2 x (0.5 1.5 mm?), 2x (0.75 2.5 mm²), 2x 4 mm² - fordy rated data - fordy rated data - fordy rated data Proportion of dangerous fail					
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Certificates/ approvals General Product Approval Confirmation KC Efficience ESS Eccc Functional Declaration of Conformity Test Cortificates	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front			
General Product Approval Confirmation KC Efficience Efficiency Eccc Functional Declaration of Conformity Test Cortificates					
Image: Second	General Product Approval				
		f Conformity Test Certificates			

7/7/2023

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	chinery				
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Register uis	PRS	RINA
Marine / Shipping	other		Railway	Environment	
RMRS	<u>Confirmation</u>		Vibration and Shock	Environmental Con- firmations	
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=3RH2122-1AV60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2122-1AV60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2122-1AV60

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

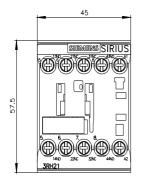
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2122-1AV60&lang=en

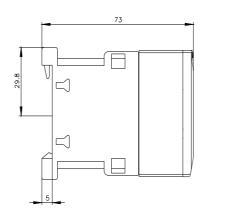
Characteristic: Tripping characteristics, I²t, Let-through current

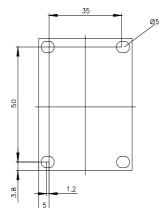
https://support.industry.siemens.com/cs/ww/en/ps/3RH2122-1AV60/char

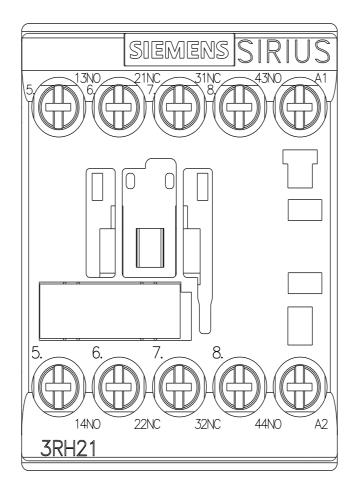
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2122-1AV60&objecttype=14&gridview=view1

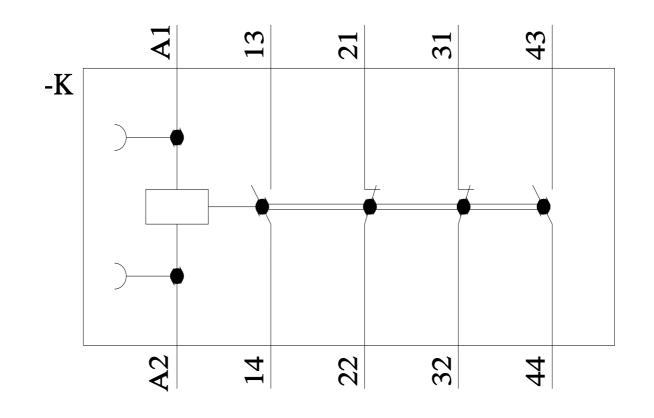








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