SIEMENS

Data sheet

3RH2911-1LA11



Auxiliary switch on the front, 1 NO + 1 NC Current path 1 NO, 1 NC Connection from top for 3RH and 3RT screw terminal 73/74, 81/82

General technical data	
product brand name	SIRIUS
suitability for use	Contactor relay and power contactor
protection class IP on the front	IP20
ambient temperature	
 during storage 	-55 +80 °C
during operation	-25 +60 °C
mechanical service life (switching cycles) typical	10 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	200 000
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
 lagging switching 	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
leading contact	0
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
operational current	
 of auxiliary contacts 	
— at AC-14	
— at 125 V	6 A
— at 250 V	6 A
— at AC-15	
— at 24 V	6 A
— at 230 V	6 A
— at 400 V	3 A
at AC-15 at 690 V rated value	1 A
operational current	
 of auxiliary contacts at DC-12 	
— at 24 V	10 A

 with 2 current paths in series at DC-12 at 24 V rated value 10 A at 60 V rated value 10 A at 60 V rated value 10 A at 60 V rated value 13 A at 40 V rated value 0.65 A with 3 current paths in series at DC-12 at 40 V rated value 10 A at 60 V rated value 0.65 A with 3 current paths in series at DC-12 at 40 V rated value 10 A at 22 V rated value 10 A at 40 V rated value 10 A at 22 V rated value 25 A at 40 V rated value 25 A at 40 V rated value 26 A at 40 V rated value 27 A at 22 V at 40 V rated value 36 A at 22 V at 40 V rated value 36 A at 22 V at 40 V rated value 36 A at 24 V at 20 V at 40 V rated value 36 A at 22 V rated value 36 A at 22 V V at 40 V rated value 36 A at 24 V at 20 V rated value 36 A at 24 V rated value 37 A at 10 V rated value 38 A at 220 V rated value 37 A at 24 V rated value 38 A at 220 V rated value 38 A at 220 V rated value 38 A at 24 V rated value 38 A at 200 V rated value 38 A at 24 V rated value 38 A at 24 V rated value 39 A at 24 V rated value 39 A at 24 V rated value 39 A at 200 V rated value 	— at 110 V	3 A	
	— at 220 V	1 A	
	 with 2 current paths in series at DC-12 		
	— at 24 V rated value	10 A	
	— at 60 V rated value	10 A	
 - al 440 V rated value - at 600 V rated value - at 600 V rated value - at 24 V rated value - at 24 V rated value - at 20 V rated value - at 20 V rated value - at 20 V rated value - at 200 V rated value - at 200 V rated value - at 200 V rated value - at 24 V rated value - at 20 V V - at 20 V V - at 20 V V - at 20 V rated value - at 20 V rated value	— at 110 V rated value	4 A	
	— at 220 V rated value	2 A	
 with 3 current paths in series at DC-12 at 24 V rated value 10 A at 10 V rated value 10 A at 20 V rated value 10 A at 20 V rated value 25 A at 440 V rated value 25 A at 600 V rated value 13 A operational current of auxiliary contacts at DC-13 at 22 V at 24 V A at 20 V A at 20 V A A	— at 440 V rated value	1.3 A	
	— at 600 V rated value	0.65 A	
	 with 3 current paths in series at DC-12 		
- at 110 V rated value 36 A - at 220 V rated value 25 A - at 600 V rated value 18 A operational current - at 60 V • of auxiliary contacts at DC-13 - at 60 V - at 110 V 6 A - at 24 V 6 A - at 110 V 1 A - at 220 V 0.3 A - with 2 current paths in series at DC-13 - at 20 V rated value - at 24 V rated value 35 A - at 240 V rated value 0.3 A - at 240 V rated value 0.4 A - at 240 V rated value 0.5 A - at 600 V rated value 0.1 A - at 600 V rated value 0.1 A - at 200 V rated value 10 A - at 200 V rated value 12 A - at 400 V rated value 12 A	— 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	
operational current of auxiliary contacts at DC-13 	— at 440 V rated value	2.5 A	
 of auxiliary contacts at DC-13 at 24 V at 26 V at 10 V at 22 V at 22 V at 22 V at 22 V at 24 V rated value at 24 V rated value at 24 V rated value at 60 V rated value at 20 V rated value at 40 V rated value at 60 V rated value at 22 V rated value at 22 V rated value at 24 V rated value bo V rated value at 24 V rated value bo V rated value at 40 V rated value bo V rated value co SA at 40 V rated value at 40 V rated value bo V rated value co SA at 40 V rated value connections/ terminals strap-on mounting width at 37.5 mm depth at 37.5 mm at 30 K G cabes for auxiliary and control cite Connectable conductor cross-sections or auxiliary contacts at 37.5 mm³, 2x (0.75 2.5 mm³) at 40 K C cabes for auxiliary contacts Setory related data<	— at 600 V rated value	1.8 A	
	operational current		
	 of auxiliary contacts at DC-13 		
at 110 V 1 A at 220 V 0.3 A • with 2 current paths in series at DC-13 0.4 at 42 V rated value 10 A at 60 V rated value 10 A at 220 V rated value 0.9 A at 440 V rated value 0.1 A at 60 V rated value 0.1 A at 40 V rated value 0.1 A at 220 V rated value 10 A at 60 V rated value 0.1 A at 20 V rated value 10 A at 400 V rated value 0.26 A at 400 V rated value 0.26 A at 600 V rated value 0.26 A <	— at 24 V	6 A	
at 220 V 0.3 Å • with 2 current paths in series at DC-13 0 Å at 24 V rated value 10 Å at 60 V rated value 3.5 Å at 110 V rated value 1.3 Å at 220 V rated value 0.9 Å at 440 V rated value 0.1 Å at 600 V rated value 0.1 Å at 600 V rated value 10 Å at 600 V rated value 10 Å at 24 V rated value 10 Å at 210 V rated value 10 Å at 220 V rated value 12 Å at 220 V rated value 0.5 Å at 440 V rated value 0.5 Å at 600 V rated value 0.26 Å Installation/ mounting/ dimensions fastening method fastening method snap-on mounting width 36 mm height 37.5 mm depth 43.7 mm Connections/ Terminals screw-type terminals type of electrical connection for auxiliary and control circuit screw-type terminals type of onectable conductor cross-sections • for auxiliary contacts - ot be conductor cross-sections <td>— at 60 V</td> <td>2 A</td> <td></td>	— at 60 V	2 A	
 with 2 current paths in series at DC-13 at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 70 V rated value bit 70 V rated value bit 70 V rated value cat 600 V rated value cat 70 V rated value concetons/ Terminals concetons for auxiliary contacts concetons for auxiliary contacts concetons for auxiliary contacts conceton positively d	— at 110 V	1 A	
 with 2 current paths in series at DC-13 at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 70 V rated value at 220 V rated value at 240 V rated value at 240 V rated value at 240 V rated value at 24 V rated value at 20 V rated value at 20 V rated value at 20 V rated value bit 3 current paths in series at DC-13 at 20 V rated value bit 3 current paths in series at DC-13 at 20 V rated value bit 3 current paths in series at DC-13 at 20 V rated value bit 3 current paths in series at DC-13 bit 3 current paths in series at DC-13 bit 3 current paths in series at DC-13 cut 3 V rated value bit 3 current paths in series at DC-13 cut 3 v rated value cut 3 v rated value		0.3 A	
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$ \begin{array}{c c c c c c c } -at 110 V rated value & 1.3 A \\ -at 220 V rated value & 0.9 A \\ -at 440 V rated value & 0.2 A \\ 0.1 A \\ with 3 current paths in series at DC-13 \\ -at 24 V rated value & 0.1 A \\ -at 60 V rated value & 10 A \\ -at 60 V rated value & 10 A \\ -at 220 V rated value & 1.2 A \\ -at 110 V rated value & 1.2 A \\ -at 440 V rated value & 0.5 A \\ -at 600 V rated value & 0.26 A \\ \hline \end{tabular} \label{eq:tabular} eq$		10 A	
at 220 V rated value 0.9 Å at 400 V rated value 0.2 Å at 600 V rated value 0.1 Å • with 3 current paths in series at DC-13 - at 24 V rated value 10 Å at 60 V rated value 4.7 Å at 10 V rated value 3 Å at 220 V rated value 1.2 Å at 220 V rated value 0.2 Å at 220 V rated value 0.2 Å at 440 V rated value 0.2 Å at 440 V rated value 0.2 Å at 600 V rated value 0.2 Å at 440 V rated value 0.2 Å at 600 V rated value 0.2 Å Installation/ mounting/ dimensions fasterning method snap-on mounting snap-on mounting width 36 mm height 37.5 mm depth 43.7 mm Connections/ Terminals screw-type terminals type of connectable conductor cross-sections of on auxiliary contacts finely stranded with core end processing with Core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³) e at AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) Safety related data with 3RT2 product function positively driven operation	— at 60 V rated value	3.5 A	
	— at 110 V rated value	1.3 A	
	— at 220 V rated value	0.9 A	
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	— at 600 V rated value	0.1 A	
	 with 3 current paths in series at DC-13 		
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	Certificates/ approvals		
	General Product Approval		EMC
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			<u>KC</u>	EHC	RCM			
Declaration of Confor	mity	Test Certificates		Shipping Approval				
<u>Miscellaneous</u>	CE EG-Konf.	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>	<u>Special Test</u> <u>Certificate</u>	ABS	BUREAU VERITAS			
Shipping Approval				other				
Lloyd's Register uis	PRS	RINA	RMRS	<u>Confirmation</u>				
Railway								
<u>Vibration and Shock</u>	<u>Special Test</u> <u>Certificate</u>	<u>Special Test</u> <u>Certificate</u>	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>					
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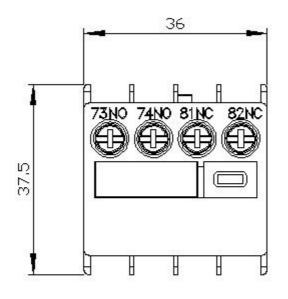
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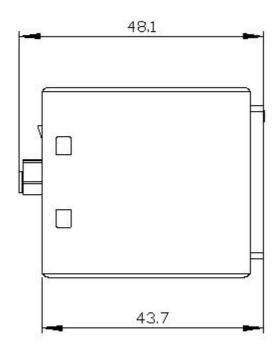
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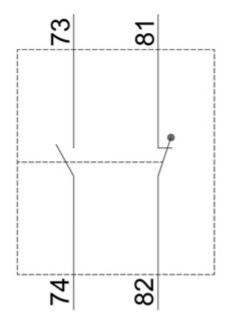
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1LA11&lang=en

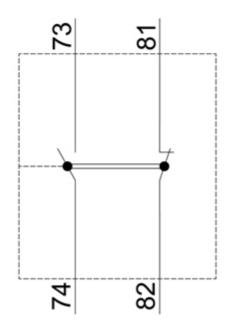












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