SIEMENS

Data sheet

3RH2911-1HA10



Auxiliary switch on the front, 1 NO Current path 1 NO for 3RH and 3RT screw terminal .3/.4

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 	0
 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	10.4
— 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 22 V rated value 37 A at 10 V rated value 38 A at 22 V rated value 38 A at 22 V rated value 38 A at 24 V rated value 38 A at 20 V rated value 38 A at 20 V rated value 38 A at 20 V rated value 39 A at 20 V rated value 30 A at 20 V rated value 37 S mm at 20 V rated value 37 S mm at 20 V rated value 37 S mm at 20 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 110 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 0.26 A - at 400 V rated value 0.26 A - at 400 V rated value 12 A - at 400 V rated value 2.26 A <tr< th=""><td>— at 24 V rated value</td><td>10 A</td><td></td></tr<>	— 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 40 V rated value bo A at 40 V rated value at 40 V rated value bo A bo Connections for auxiliary and control cite will cable for auxiliary and control cite Vice Cable for auxiliary contacts bo auxiliary contacts bo Contact for auxiliary contacts cite Cost auxiliary contacts bo cite	— 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 <		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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		UL UL	<u>KC</u>	EHC	RCM
Declaration of Cor	nformity	Test Certificates		Shipping Approval	
<u>Miscellaneous</u>	C C EG-Konf.	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>	<u>Special Test</u> <u>Certificate</u>	ABS	BUREAU VERITAS
Shipping Approva	I			other	
Lloyds Register urs	PRS	RINA	RMRS	<u>Confirmation</u>	
Railway					
<u>Special Test</u> <u>Certificate</u>	Vibration and Shock	<u>Special Test</u> <u>Certificate</u>	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>		
Further information					

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=3RH2911-1HA10

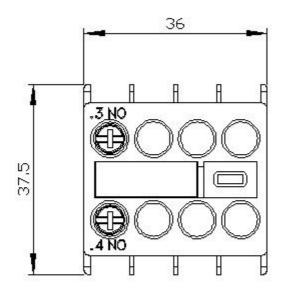
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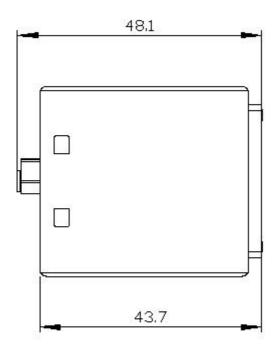
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1HA10

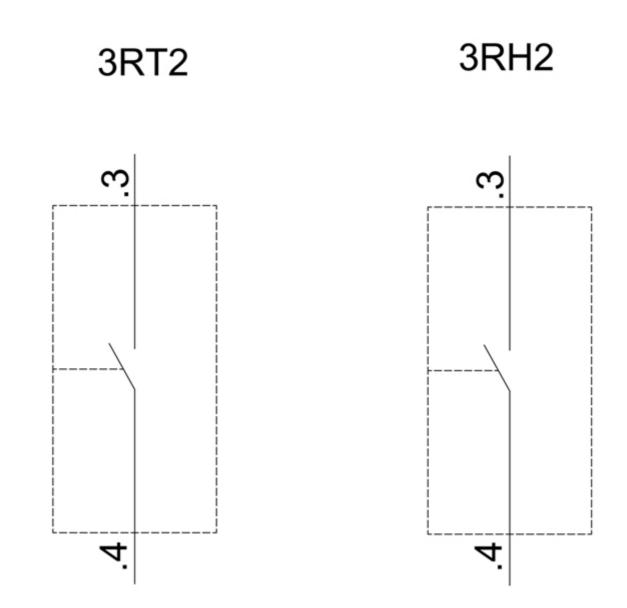
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA10&lang=en







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