## **SIEMENS**

Data sheet 3RH2911-2HA20



Auxiliary switch on the front, 2 NO Current path 1 NO, 1 NO for 3RH and 3RT spring-type terminal .3/.4, .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	
<ul> <li>during storage</li> </ul>	-55 +80 °C
<ul> <li>during operation</li> </ul>	-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	
<ul> <li>instantaneous contact</li> </ul>	0
<ul> <li>lagging switching</li> </ul>	0
number of NO contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	2
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	
<ul> <li>of auxiliary contacts</li> </ul>	
— 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	
<ul> <li>of auxiliary contacts at DC-12</li> </ul>	
— at 24 V	10 A
— at 110 V	3 A
— at 220 V	1 A

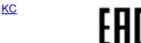
<ul> <li>with 2 current paths in series at DC-12</li> </ul>	
— at 24 V rated value	10 A
— at 60 V rated value	10 A
— at 110 V rated value	4 A
— at 220 V rated value	2 A
— at 440 V rated value	1.3 A
— at 600 V rated value	0.65 A
<ul> <li>with 3 current paths in series at DC-12</li> </ul>	
— at 24 V rated 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
operational current	1.0 A
of auxiliary contacts at DC-13	
— at 24 V	6 A
— at 60 V	2 A
— at 110 V	1 A
— at 220 V	0.3 A
<ul> <li>with 2 current paths in series at DC-13</li> </ul>	
— 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
<ul> <li>with 3 current paths in series at DC-13</li> </ul>	
— at 24 V rated value	10 A
— at 60 V rated value	4.7 A
— at 110 V rated value	3 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.5 A
— at 600 V rated value	0.26 A
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
width	36 mm
height	41.5 mm
depth	47.7 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	spring-loaded terminals
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— finely stranded	
<ul><li>— with core end processing</li></ul>	2x (0.5 1.5 mm²)
<ul> <li>— without core end processing</li> </ul>	2x (0.5 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 14)
Safety related data	
product function mirror contact according to IEC 60947-4-1	Yes
• note	with 3RT2
product function positively driven operation according to IEC 60947-5-1	Yes
• note	with 3RH2
Certificates/ approvals	
General Product Approval	





Confirmation





**Functional EMC** Safety/Safety of Machinery

**Test Certificates** 

Marine / Shipping



**Type Examination** Certificate

**Special Test Certific-**<u>ate</u>

**Type Test Certific**ates/Test Report





Marine / Shipping











Confirmation

other

other

Railway

**Environmental Confirmations** 



Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report

Vibration and Shock

## 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=3RH2911-2HA20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2911-2HA20&lang=en

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