# **SIEMENS**

Data sheet 3RH2911-2HA02



auxiliary switch, on the front, 2 NC, .1/.2, .1/.2, --/--, current path: 1 NC, 1 NC, --, --, spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	Contactor relay and power contactor
General technical data	
size of contactor	S00, S0, S2, S3
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
number of NC contacts for auxiliary contacts	
• instantaneous contact	2
<ul> <li>lagging switching</li> </ul>	0
number of NO contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	0
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 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
operational current with 2 current paths in series at DC-13	40.4
at 24 V rated value     at 60 V rated value	10 A
at 60 V rated value	3.5 A
at 110 V rated value     at 220 V rated value	1.3 A
at 220 V rated value     at 440 V rated value	0.9 A
at 440 V rated value     at 600 V rated value	0.2 A
at 600 V rated value  Operational current with 2 current paths in series at DC 12	0.1 A
operational current with 3 current paths in series at DC-13	10 A
at 24 V rated value     at 60 V rated value	10 A
at 110 V rated value     at 110 V rated value	4.7 A
at 110 V rated value     at 220 V rated value	3 A
at 220 V rated value     at 440 V rated value	1.2 A
at 440 V rated value     at 600 V rated value	0.5 A
at 600 V rated value  Operational current of auxiliary contacts at DC-13	0.26 A
operational current of auxiliary contacts at DC-13	6.4
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A 1 A
<ul><li>at 110 V</li><li>at 125 V</li></ul>	1 A 0.9 A
• at 125 V • at 220 V	0.9 A 0.3 A
• at 220 V • at 250 V	0.3 A
• at 250 V  contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during operation     during storage	-25 +80 °C
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	Yes; with 3R12
<ul> <li>positively driven operation according to IEC 60947-5-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	vith 3RH2
positively driven operation according to IEC 60947-5-1  contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	41.5 mm
width	41.5 mm 36 mm
depth	47.7 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	spring-loaded terminals
connectable conductor cross-section for auxiliary and control circuit	
solid or stranded	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm²
finely stranded with core end processing     finely stranded without core end processing	0.5 2.5 mm <sup>2</sup>
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²)
mony sudmosa with core that processing	

- finely stranded without core end processing

• for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (20 ... 14) 20 ... 14

2x (0.5 ... 2.5 mm²)

### **Approvals Certificates**

#### **General Product Approval**



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other



Confirmation



Vibration and Shock

Railway

Special Test Certificate

Type Test Certificates/Test Report

## **Environment**

Environmental Confirmations

#### 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=3RH2911-2HA02

Cax online generator

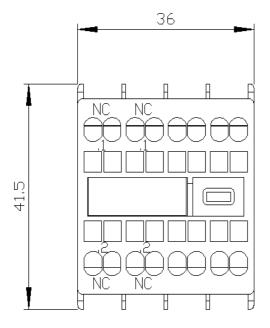
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA02

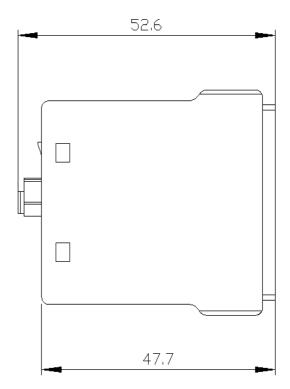
 $Service \& Support \ (Manuals, Certificates, Characteristics, FAQs, ...)$ 

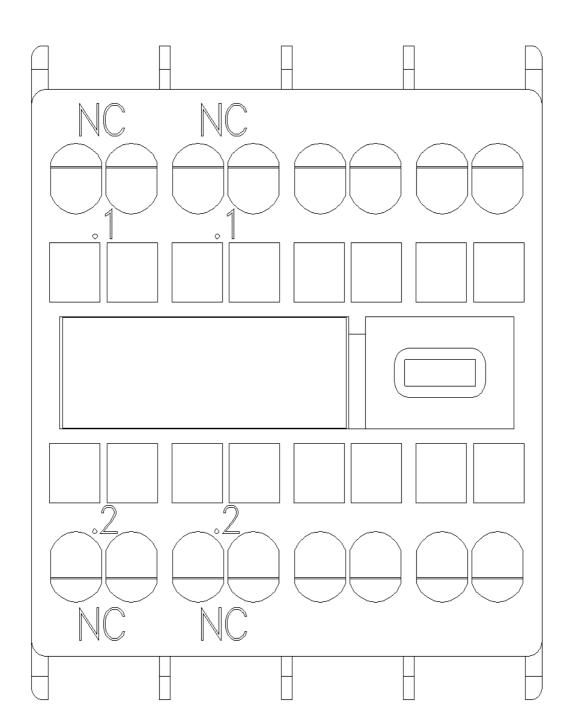
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA02

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

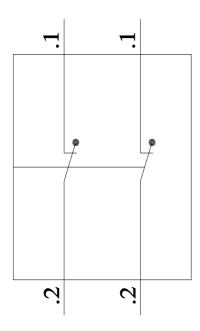
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2911-2HA02&lang=en

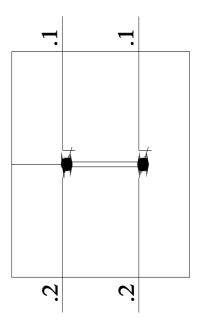






3RT2 3RH2





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