

auxiliary switch, solid-state compatible, on the front, 2 NO + 2 NC, .3/4, .1/2, .1/2, .3/4, current path: 1 NO (solid-state compatible), 1 NC, 1 NC, 1 NO, spring-loaded terminal, for contactors 3RT2

<b>product brand name</b>	SIRIUS
<b>product category</b>	Auxiliary switch
<b>product designation</b>	auxiliary switch
<b>design of the product</b>	for snapping onto the front
<b>product type designation</b>	3RH29
<b>suitability for use</b>	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
<b>General technical data</b>	
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>surge voltage resistance rated value</b>	6 kV
protection class IP on the front	IP20
<b>mechanical service life (operating cycles) typical</b>	5 000 000
<b>Weight</b>	0.06 kg
<b>number of NC contacts for auxiliary contacts</b>	
• instantaneous contact	2
• lagging switching	0
<b>number of NO contacts for auxiliary contacts</b>	
• instantaneous contact	2
• leading contact	0
<b>number of CO contacts of auxiliary contacts instantaneous contact</b>	0
<b>operational current of auxiliary contacts at DC-13</b>	
• at 24 V	0.3 A
• at 48 V	0.3 A
• at 60 V	0.3 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	conventional: C characteristic: 10 A; 0.4 kA
<b>contact reliability of auxiliary contacts</b>	one incorrect switching operation of 100 million switching operations (5 V, 1 mA)
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C
<b>Environmental footprint</b>	
Environmental Product Declaration (EPD)	Yes
global warming potential [CO <sub>2</sub> eq] total	0.397 kg
global warming potential [CO <sub>2</sub> eq] during manufacturing	0.375 kg
global warming potential [CO <sub>2</sub> eq] during operation	0.0014 kg
global warming potential [CO <sub>2</sub> eq] after end of life	0.02 kg
<b>Safety related data</b>	
<b>product function</b>	
• mirror contact according to IEC 60947-4-1	No

- positively driven operation according to IEC 60947-5-1

No

### Short-circuit protection

design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V

conventional: C characteristic: 10 A; 0.4 kA

design of the fuse link for short-circuit protection of the auxiliary switch required

conventional: gG: 10 A (690 V, 1 kA); electronically optimized: FF microfuse 2 A (250 V, 1 kA)

### Installation/ mounting/ dimensions

**fastening method**

snap-on mounting

**height**

41.5 mm

**width**

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 contacts**

- solid or stranded
- finely stranded with core end processing
- finely stranded without core end processing

0.5 ... 2.5 mm<sup>2</sup>

0.5 ... 2.5 mm<sup>2</sup>

0.5 ... 2.5 mm<sup>2</sup>

**type of connectable conductor cross-sections**

- for auxiliary contacts
  - solid or stranded
  - finely stranded with core end processing
  - finely stranded without core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 2.5 mm<sup>2</sup>)

2x (0.5 ... 1.5 mm<sup>2</sup>)

2x (0.5 ... 2.5 mm<sup>2</sup>)

2x (20 ... 14)

**AWG number as coded connectable conductor cross section for auxiliary contacts**

20 ... 14

### Approvals Certificates

General Product Approval

EMV

Functional Safety



[Type Examination Certificate](#)

### Maritime application



### Maritime application

other

Railway

Environment



[Miscellaneous](#)



[Confirmation](#)

[Special Test Certificate](#)



### Environment

[Environmental Confirmations](#)

### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RH2911-2NL22>

Cax online generator

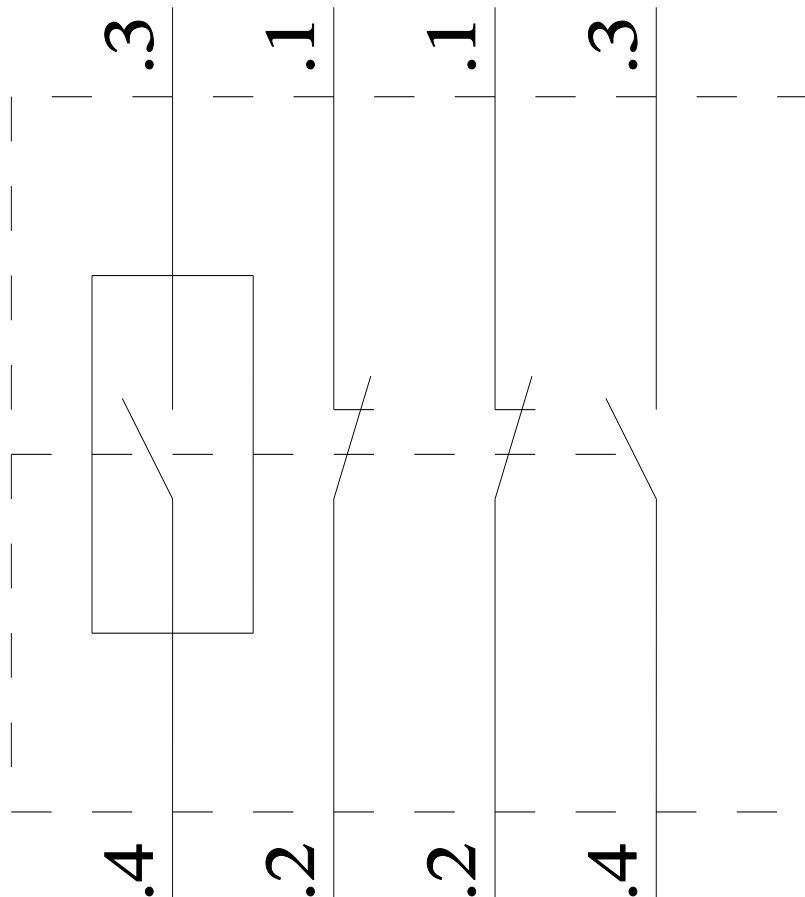
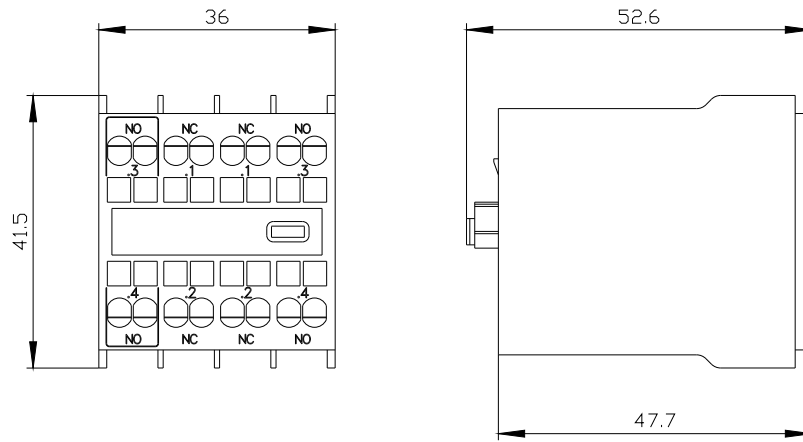
<https://support.automation.siemens.com/WW/CAxorder/default.aspx?lang=en&mlfb=3RH2911-2NL22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2NL22>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-2NL22&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2NL22&lang=en)



last modified:

6/1/2025