



auxiliary switch, solid-state compatible, on the front, 2 NO + 2 NC, .1/.2, .3/.4, .1/.2, current path: 1 NC (solid-state compatible), 1 NO, 1 NO, 1 NC (solid-state compatible), 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 | for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2 |
| General technical data | |
| 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 | 5 000 000 |
| Substance Prohibition (Date) | 10/01/2009 |
| Weight | 0.06 kg |
| number of NC contacts for auxiliary contacts | |
| • instantaneous contact | 2 |
| • lagging switching | 0 |
| number of NO contacts for auxiliary contacts | |
| • instantaneous contact | 2 |
| • leading contact | 0 |
| number of CO contacts of auxiliary contacts instantaneous contact | 0 |
| operational current of auxiliary contacts at DC-13 | |
| • 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 |
| contact reliability of auxiliary contacts | one incorrect switching operation of 100 million switching operations (5 V, 1 mA) |
| Ambient conditions | |
| ambient temperature | |
| • during operation | -25 ... +60 °C |
| • during storage | -55 ... +80 °C |
| Environmental footprint | |
| Environmental Product Declaration (EPD) | Yes |
| global warming potential [CO2 eq] total | 0.397 kg |
| global warming potential [CO2 eq] during manufacturing | 0.375 kg |
| global warming potential [CO2 eq] during operation | 0.0014 kg |
| global warming potential [CO2 eq] after end of life | 0.02 kg |
| Safety related data | |
| product function | |

- mirror contact according to IEC 60947-4-1
- positively driven operation according to IEC 60947-5-1

Yes; with 3RT2.2/3/4
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 mm²

0.5 ... 2.5 mm²

0.5 ... 2.5 mm²

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 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

AWG number as coded connectable conductor cross section for auxiliary contacts

20 ... 14

Approvals Certificates

General Product Approval

EMV



Functional Safety

Test Certificates

Maritime application

[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Maritime application

other



[Miscellaneous](#)



[Confirmation](#)



Railway

Environment

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



[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=3RH2911-2NF22>

Cax online generator

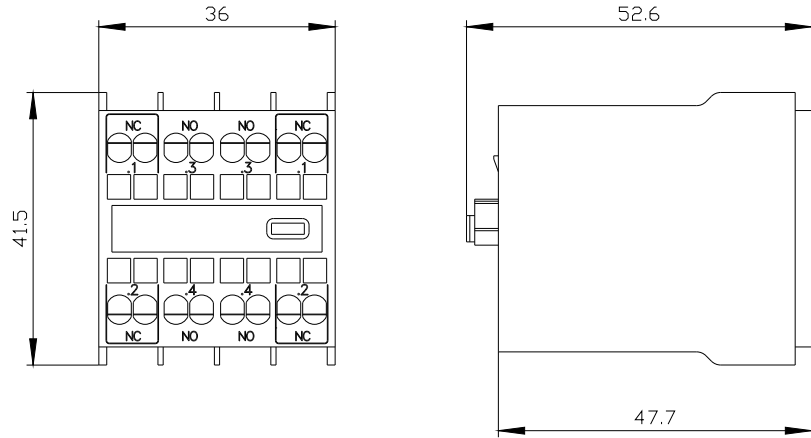
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2NF22>

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

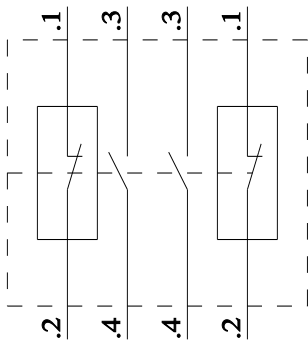
<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2NF22>

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

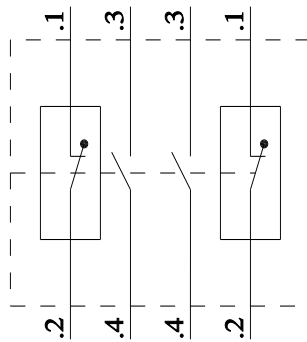
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2NF22&lang=en



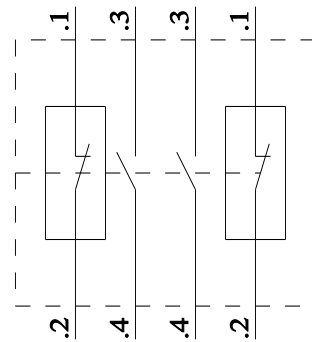
3RT2x1



3RT2x2 / 3RT2x3 / 3RT2x4



3RH2



last modified:

6/1/2025