

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

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
Weight	0.062 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	3
• 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 [CO ₂ eq] total	0.397 kg
global warming potential [CO ₂ eq] during manufacturing	0.375 kg
global warming potential [CO ₂ eq] during operation	0.0014 kg
global warming potential [CO ₂ eq] after end of life	0.02 kg
Safety related data	
product function	
• 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 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



EG-Konf.



UL



RCM

[Type Examination Certificate](#)

Maritime application

other



ABS



BUREAU VERITAS



LRS



PRS



RMRS

[Miscellaneous](#)

other

Railway

Environment



[Confirmation](#)

[Special Test Certificate](#)



[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=3RH2911-2NM31>

Cax online generator

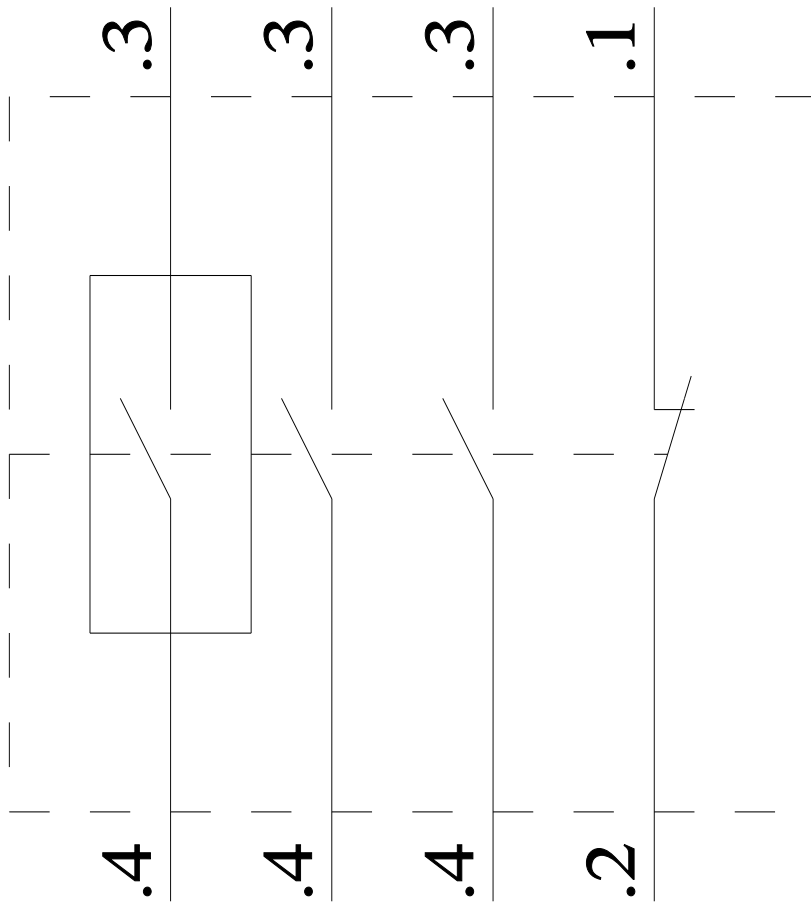
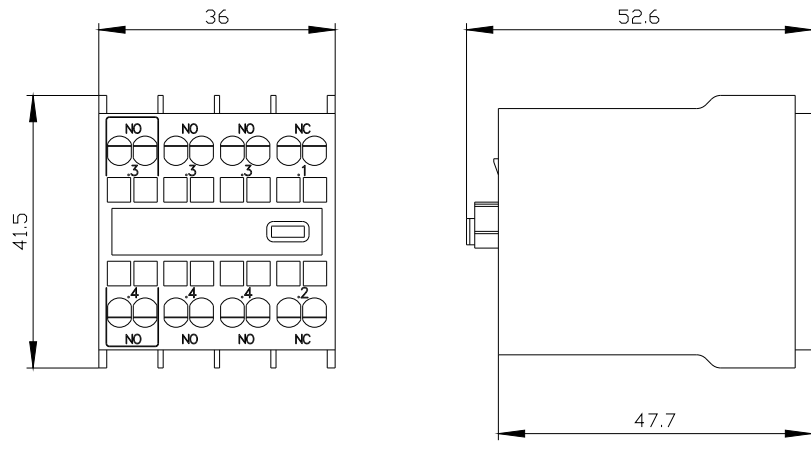
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2NM31>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2NM31>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2NM31&lang=en



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