



auxiliary switch, solid-state compatible, lateral, 1 NO + 1 NC, on the left: 41/42, 53/54, current path: 1 NC, 1 NO, on the right: 23/24, 31/32, current path: 1 NO, 1 NC, spring-loaded terminal, for contactors 3RT2.1

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	first laterally mountable
product type designation	3RH29
suitability for use	for 3RT2.1
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)	05/01/2012
Weight	0.047 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
• 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
• at 250 V	0.3 A
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	0.276 kg
global warming potential [CO2 eq] during manufacturing	0.243 kg
global warming potential [CO2 eq] during operation	0.00071 kg
global warming potential [CO2 eq] after end of life	0.033 kg
Safety related data	
product function	
• mirror contact according to IEC 60947-4-1	Yes; with 3RT2

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

No

Short-circuit protection

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

FF microfuse 2 A (250 V, 1 kA)

Installation/ mounting/ dimensions

fastening method

snap-on mounting

height

61.2 mm

width

10 mm

depth

66 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



KC



EMV

Functional Safety

Test Certificates

Maritime application



[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Maritime application

other



[Miscellaneous](#)

other

Railway

Environment



[Confirmation](#)

[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,...)

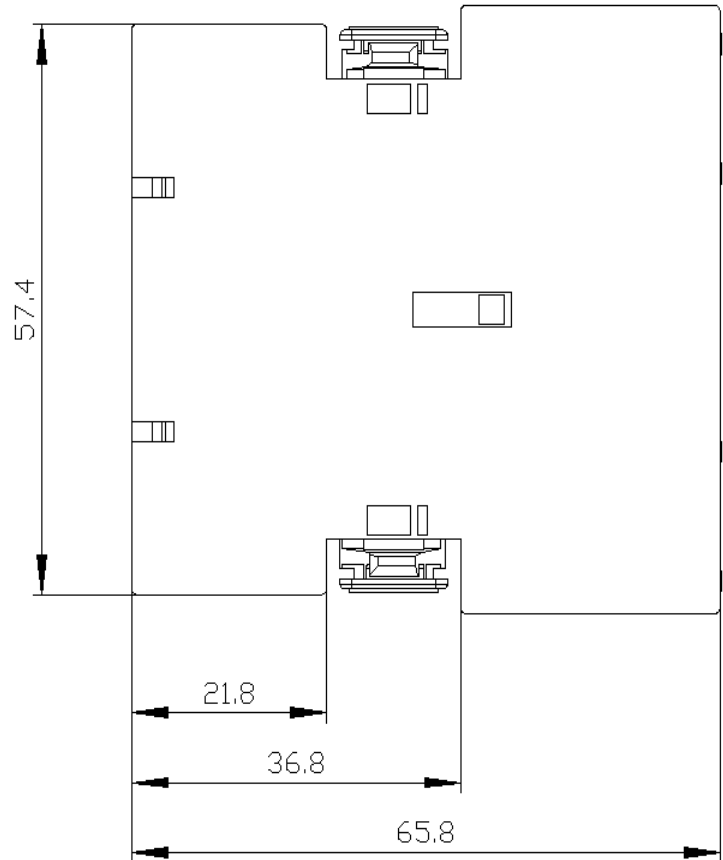
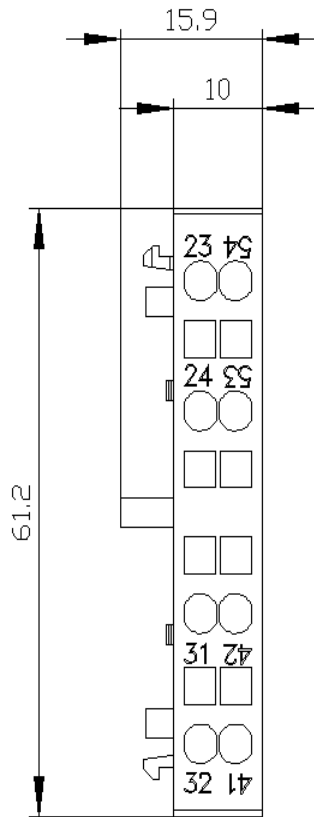
<https://www.siemens.com/ic10>

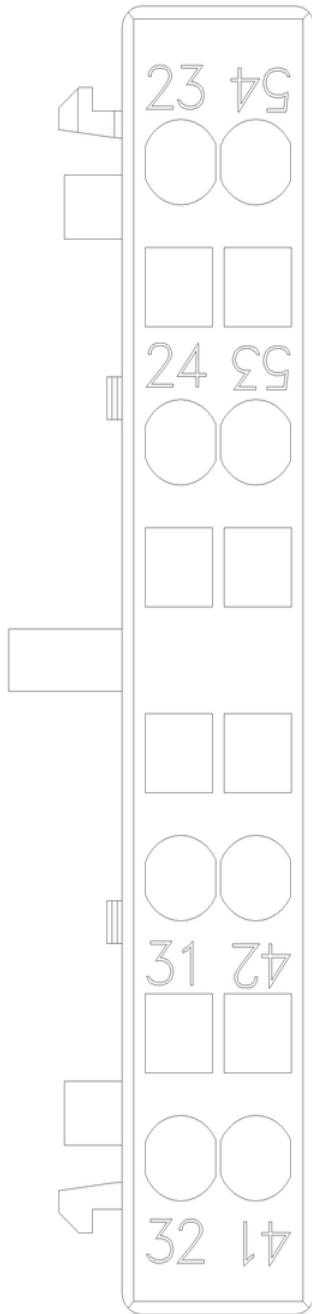
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2DE11>

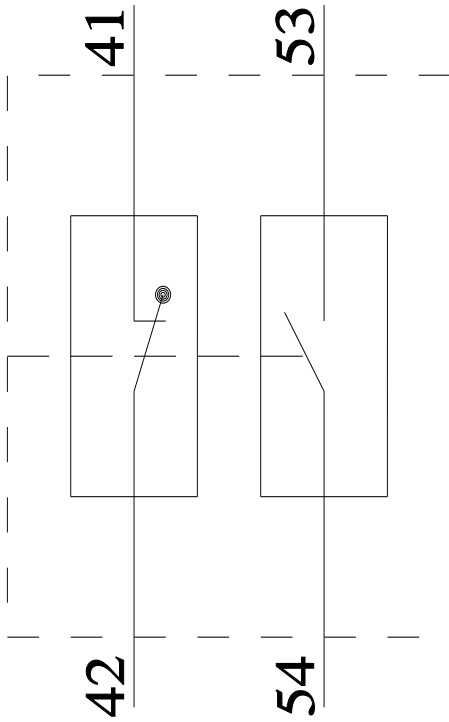
Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2DE11>

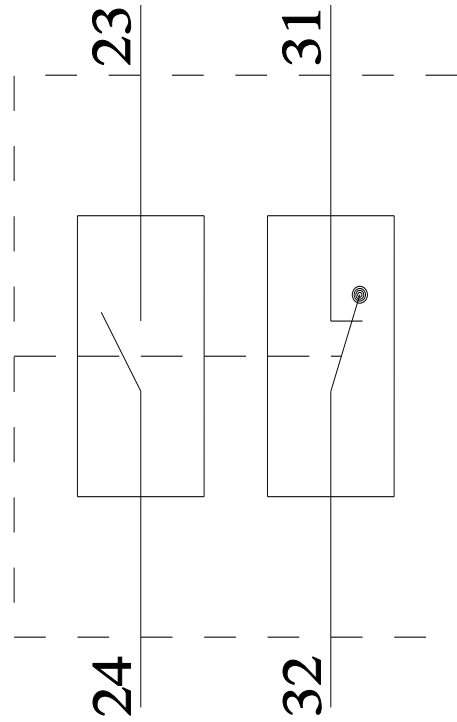




Links / left



Rechts / right



last modified:

6/1/2025 