



Figure similar

1st lateral auxiliary switch 1 NO contact 1 NC contact, screw terminal, for contactors 3RT148

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	first laterally mountable
product type designation	3RH19
suitability for use	for 3RT148
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	600 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP00
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	250 000
Substance Prohibittance (Date)	05/15/2019
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 AC-12	
• at 24 V	16 A
• at 230 V	16 A
operational current of auxiliary contacts at AC-12 maximum	16 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	3 A
• at 400 V	1.5 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1 A
• at 125 V	0.55 A
• at 220 V	0.27 A
• at 250 V	0.27 A
Ambient conditions	
ambient temperature	

- during operation -25 ... +55 °C
- during storage -40 ... +80 °C

Safety related data

product function

- mirror contact according to IEC 60947-4-1 Yes; with 3RT148
- positively driven operation according to IEC 60947-5-1 No

Installation/ mounting/ dimensions

fastening method	screw fixing
height	72 mm
width	12.8 mm
depth	65.5 mm

Connections/ Terminals

type of electrical connection for auxiliary and control circuit screw-type terminals

connectable conductor cross-section for auxiliary contacts

- solid or stranded 1 ... 2.5 mm²
- finely stranded with core end processing 1 ... 2.5 mm²

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid 2x (1 ... 2,5 mm²)
 - solid or stranded 2x (1 ... 2.5 mm²)
 - finely stranded with core end processing 2x (1 ... 2,5 mm²)
- for AWG cables for auxiliary contacts 2x (16 ... 14)

AWG number as coded connectable conductor cross section for auxiliary contacts 16 ... 14

Approvals Certificates

General Product Approval

Functional
Safety/Safety of Ma-
chinery

Declaration of Con-
formity

[Confirmation](#)



[Type Examination Cer-
tificate](#)



Declaration of Con-
formity

Test Certificates

other

Railway



[Special Test Certi-
ficate](#)

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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=3RH1981-1DA11>

Cax online generator

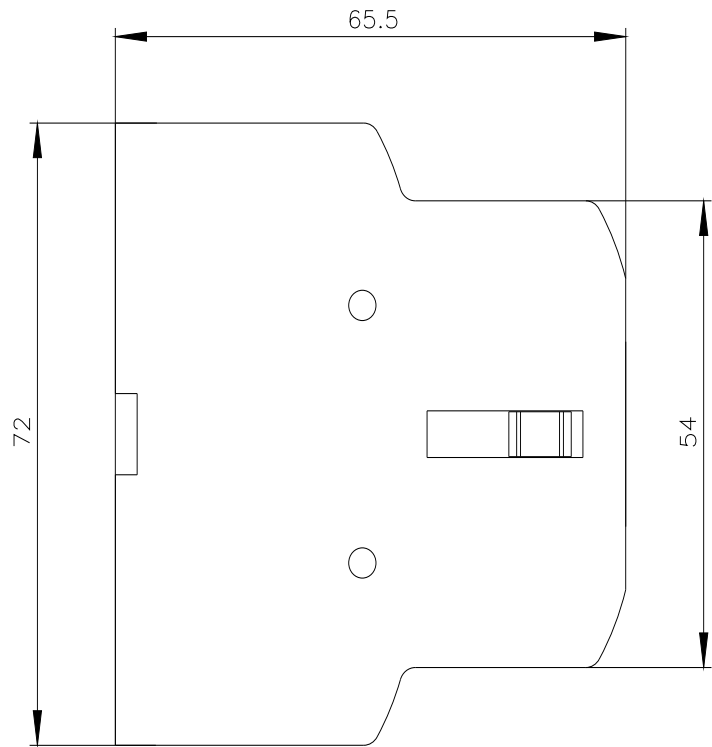
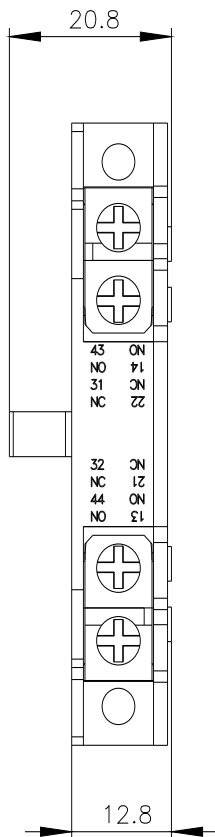
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1981-1DA11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1981-1DA11>

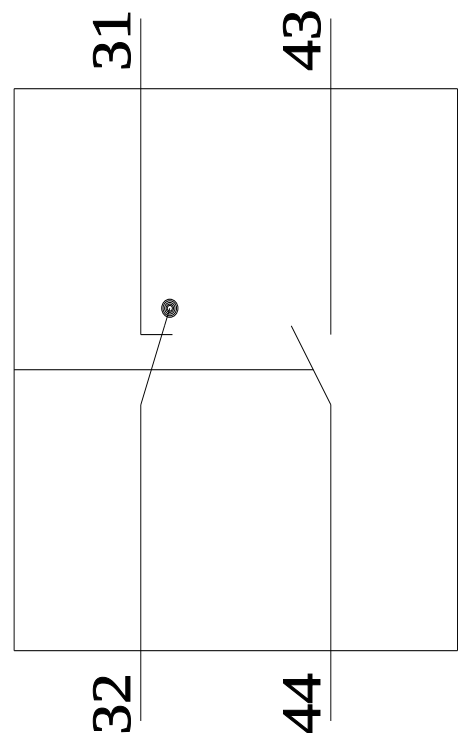
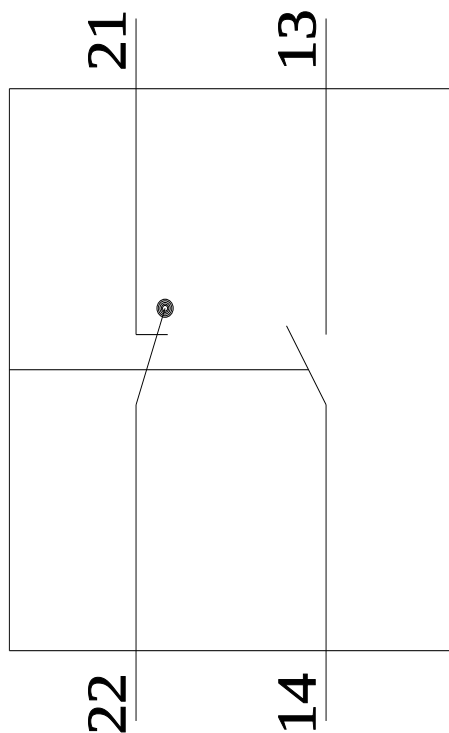
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1981-1DA11&lang=en



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