



first lateral auxiliary switch 1 NO, 1 NC, encapsulated (solid-state compatible), spring-type terminal, for contactors 3RT1

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	Contactor relay and power contactor
General technical data	
size of contactor	S0
insulation voltage with degree of pollution 3 at AC rated value	500 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)	03/01/2017
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
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
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C
Safety related data	
product function	
• mirror contact according to IEC 60947-4-1	Yes; with 3RT1
• positively driven operation according to IEC 60947-5-1	No
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	72.5 mm

width	10 mm
depth	71 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	0.5 ... 2.5 mm ²
• finely stranded with core end processing	0.5 ... 2.5 mm ²
• finely stranded without core end processing	0.5 ... 2.5 mm ²
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid or stranded	2x (0.5 ... 2.5 mm ²)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
— finely stranded without core end processing	2x (0.5 ... 2.5 mm ²)
• for AWG cables for auxiliary contacts	2x (20 ... 14)
AWG number as coded connectable conductor cross section for auxiliary contacts	20 ... 14

Approvals Certificates	
General Product Approval	Functional Safety/Safety of Machinery
	Declaration of Conformity



[Confirmation](#)



[Type Examination Certificate](#)



Declaration of Conformity	Test Certificates	Marine / Shipping	other	Railway
	Special Test Certificate		Confirmation	Special Test Certificate

Railway

[Vibration and Shock](#)

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?mifb=3RH1921-2DE11>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mifb=3RH1921-2DE11>

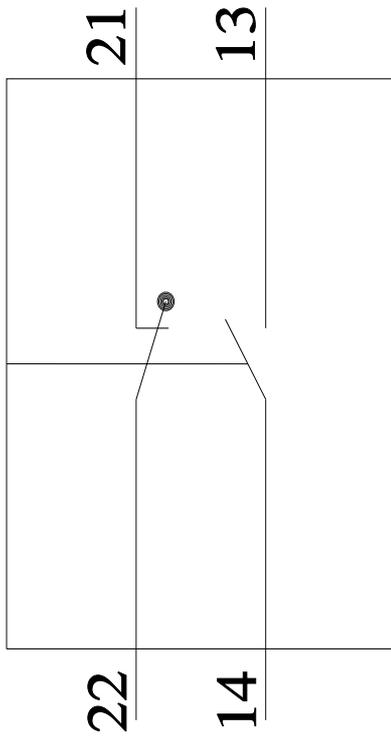
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-2DE11>

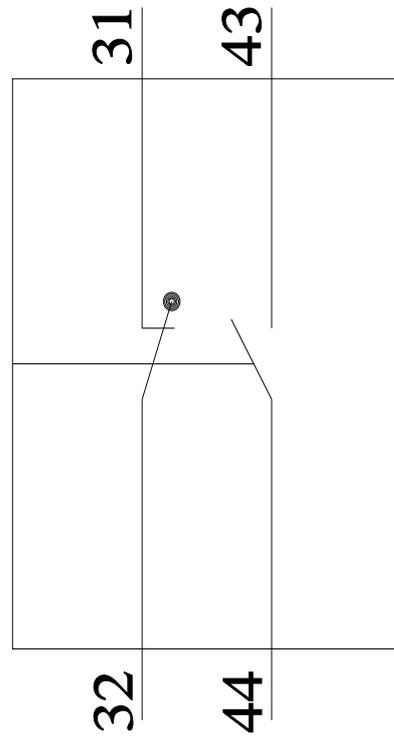
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mifb=3RH1921-2DE11&lang=en

Links / left



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last modified:

1/18/2021 