## **SIEMENS**

Data sheet 3RH1921-2CA10



front-side auxiliary switch, 1 NO contact, spring-type terminal, for contactors 3RT1

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
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	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	07/01/2006
number of NC contacts for auxiliary contacts	
instantaneous contact	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
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 with 2 current paths in series at DC-12	
at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	4 A

a at 220 V rated value	2 A
at 220 V rated value	2 A
• at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	10 A
<ul> <li>at 220 V rated value</li> </ul>	3.6 A
<ul> <li>at 440 V rated value</li> </ul>	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value	0.2 A
	0.1 A
at 600 V rated value	U.1 A
operational current with 3 current paths in series at DC-13	40.4
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
at 600 V rated value	0.26 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	0.9 A
● at 220 V	0.3 A
<ul><li>at 220 V</li><li>at 250 V</li></ul>	0.3 A 0.3 A
• at 250 V	0.3 A
● at 250 V contact reliability of auxiliary contacts	
• at 250 V  contact reliability of auxiliary contacts  Ambient conditions	0.3 A
at 250 V  contact reliability of auxiliary contacts  Ambient conditions  ambient temperature	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 250 V  contact reliability of auxiliary contacts  Ambient conditions  ambient temperature      during operation	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)  -25 +60 °C
at 250 V  contact reliability of auxiliary contacts  Ambient conditions  ambient temperature      during operation     during storage	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 250 V  contact reliability of auxiliary contacts  Ambient conditions  ambient temperature     during operation     during storage  Safety related data	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)  -25 +60 °C
at 250 V  contact reliability of auxiliary contacts  Ambient conditions  ambient temperature     during operation     during storage  Safety related data  product function	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)  -25 +60 °C  -55 +80 °C
at 250 V  contact reliability of auxiliary contacts  Ambient conditions  ambient temperature     • during operation     • during storage  Safety related data  product function     • mirror contact according to IEC 60947-4-1	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)  -25 +60 °C -55 +80 °C  Yes; with 3RT1
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## **General Product Approval**





Confirmation



<u>KC</u>



Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping









Confirmation

other

Special Test Certificate

Railway

## Railway

Type Test Certificates/Test Report

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?mlfb=3RH1921-2CA10

Cax online generator

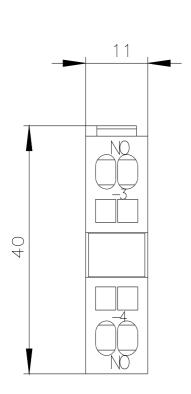
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RH1921-2CA10}$ 

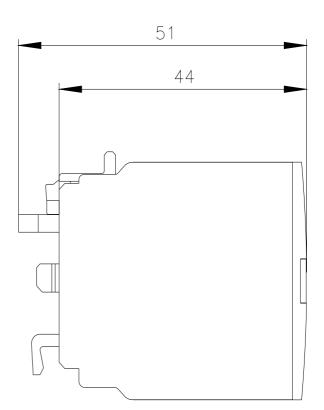
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

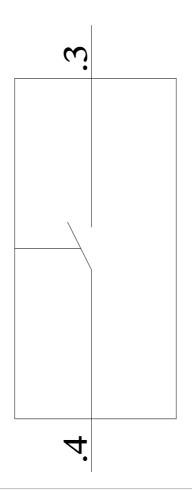
https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-2CA10

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH1921-2CA10&lang=en







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