## **SIEMENS**

Data sheet 3RH1921-1CA10



front-side auxiliary switch, 1 NO contact, screw 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	for 3RT10, 3RT12, 3RT145, 3RT146, 3RT147
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	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
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
<ul> <li>at 110 V rated value</li> </ul>	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	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 60 V rated value</li> </ul>	3.5 A
<ul> <li>at 110 V rated value</li> </ul>	1.3 A
<ul> <li>at 220 V rated value</li> </ul>	0.9 A
<ul> <li>at 440 V rated value</li> </ul>	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
<ul> <li>at 440 V rated value</li> </ul>	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
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
<ul><li>during operation</li></ul>	-25 +60 °C
during storage	-55 +80 °C
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes; with 3RT1
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	38 mm
width	10 mm
depth	51 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	0.5 2.5 mm²
solid or stranded     finely stranded with core and processing	0.5 2.5 mm <sup>2</sup>
finely stranded with core end processing  type of connectable conductor cross sections	0.5 2.5 mm²
type of connectable conductor cross-sections  • for auxiliary contacts	
solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
	2A (0.0 1.0 lillii ), 2A (0.10 2.0 lillii )
• TOT AVVUA CADIES FOR ALIVINARY CONTACTS	2x (20 16) 2x (18 14)
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section for	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section for auxiliary contacts	2x (20 16), 2x (18 14) 20 14
AWG number as coded connectable conductor cross section for	
AWG number as coded connectable conductor cross section for auxiliary contacts	







Confirmation





**General Product Approval** 

**Functional Saftey** 

**Test Certificates** 

Marine / Shipping

<u>KC</u>



Type Examination Certificate Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping









Confirmation

other

Type Test Certificates/Test Report

Railway

Railway

Environment

Special Test Certificate

Environmental Confirmations

## Further information

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=3RH1921-1CA10

Cax online generator

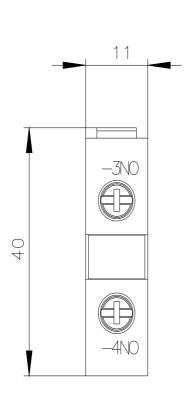
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RH1921-1CA10}$ 

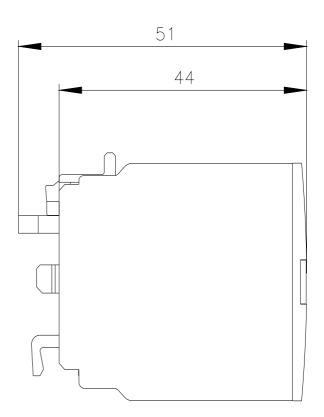
 $Service \& Support \ (Manuals, Certificates, Characteristics, FAQs, ...)$ 

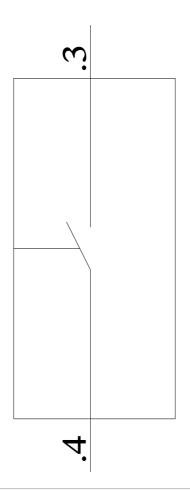
https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1CA10

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH1921-1CA10&lang=en







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