## **SIEMENS**

Data sheet 3RH1921-1CD10

front-side auxiliary switch, 1 NO, leading, screw terminal, for contactors 3RT1



General technical data				
Product brand name	SIRIUS			
Suitability for use	Contactor relay and power contactor			
Protection class IP on the front	IP20			
Ambient temperature				
during storage	-55 +80 °C			
<ul><li>during operation</li></ul>	-25 +60 °C			
Mechanical service life (switching cycles) typical	10 000 000			
Electrical endurance (switching cycles) at AC-15 at 230 V typical	200 000			
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)			
Insulation voltage with degree of pollution 3 at AC rated value	690 V			
Surge voltage resistance rated value	6 kV			
A 112 1 14				

Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	0
Number of NO contacts for auxiliary contacts	
• instantaneous contact	0

Operating current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
Operating current	
of auxiliary contacts	
— at AC-14	
— at 125 V	6 A
— at 250 V	6 A
— at AC-15	
— at 24 V	6 A
— at 230 V	6 A
— at 400 V	3 A
• at AC-15 at 690 V rated value	1 A
Operating current	
<ul> <li>of auxiliary contacts at DC-12</li> </ul>	
— at 24 V	10 A
— at 110 V	3 A
— at 220 V	1 A
• 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
<ul> <li>with 3 current paths in series at DC-12</li> </ul>	
— at 24 V rated value	10 A
— at 60 V rated value	10 A
— at 110 V rated value	10 A
— at 220 V rated value	3.6 A
— at 440 V rated value	2.5 A
— at 600 V rated value	1.8 A
Operating current	
<ul><li>of auxiliary contacts at DC-13</li></ul>	
— at 24 V	6 A
— at 60 V	2 A
— at 110 V	1 A
— at 220 V	0.3 A
• 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
— at 600 V rated value	0.1 A
<ul> <li>with 3 current paths in series at DC-13</li> </ul>	
— 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
— at 440 V rated value	0.5 A
— at 600 V rated value	0.26 A

Installation/ mounting/ dimensions		
Mounting type	snap-on mounting	
Width	10 mm	
Height	38 mm	
Depth	51 mm	

Connections/ Terminals	
Type of electrical connection for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— finely stranded	
<ul> <li>— with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)

Safety related data	
Product function Mirror contact acc. to IEC 60947-4-1	Yes
● Note	with 3RT1
Product function positively driven operation acc. to IEC 60947-5-1	No

## Certificates/ approvals

## **Functional Declaration of General Product Approval** Safety/Safety Conformity of Machinery







Type Examination Certificate



Declaration of Conformity	Test Certific- ates	Shipping Appr	roval	other	Railway
Miscellaneous	Special Test Certi- ficate	ABS	RMRS	Confirmation	Special Test Certificate

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

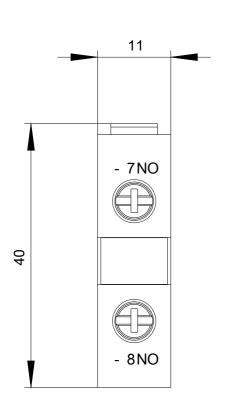
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1CD10

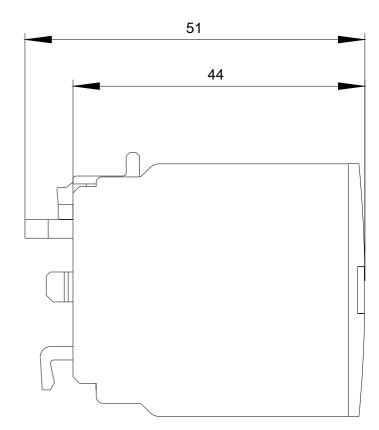
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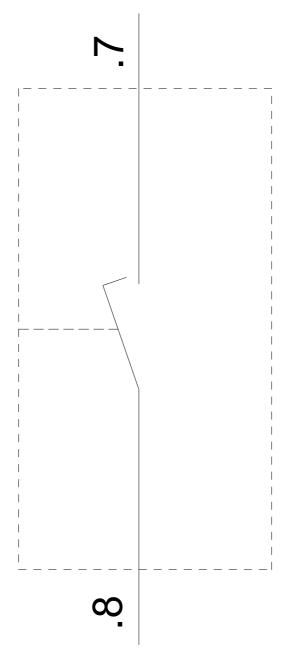
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1CD10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1CD10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH1921-1CD10&lang=en







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