## **SIEMENS**

Data sheet 3RH1921-1MA02

Auxiliary switch block 2 NC, EN 50005 2-pole, screw terminal, for motor contactors, cable entry at bottom! Phased-out product! Successor is SIRIUS 3RH2



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		

2

0

Number of NC contacts for auxiliary contacts

Number of NO contacts for auxiliary contacts

• instantaneous contact

• instantaneous contact

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
<ul><li>with 2 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	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	44 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

## **General Product Approval**

**Functional** Safety/Safety of Machinery

**Declaration of** Conformity









Type Examination Certificate



Declaration of	Test Certific-	Shipping Approval		other	Railway
Conformity	ates				
Miscellaneous	Special Test Certificate	ARS	RMRS	Confirmation	Special Test Certi- ficate

## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

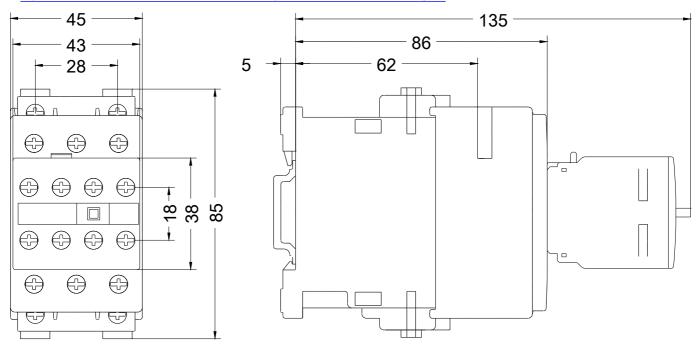
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1MA02

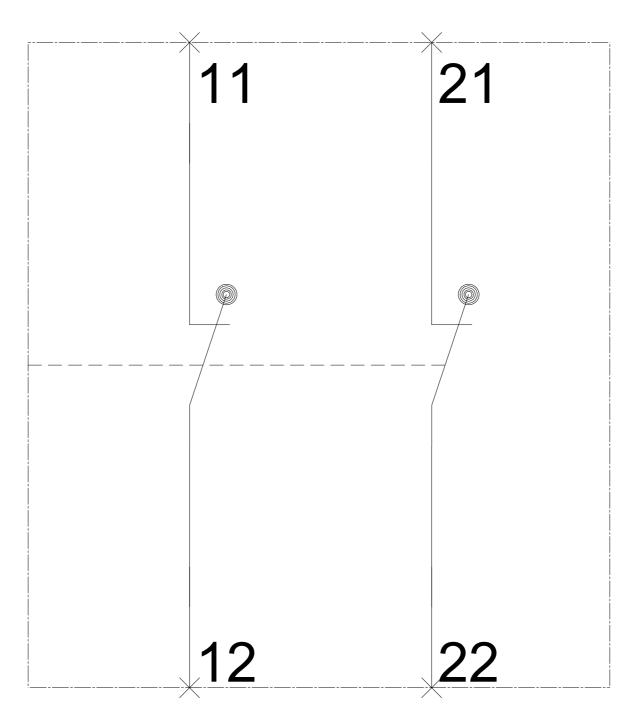
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1MA02

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1MA02

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH1921-1MA02&lang=en





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