

front-side auxiliary switch, 1 NC contact, 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
• during operation	-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	one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV

Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	1
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	

- of auxiliary contacts at DC-12
 - 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
- 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
 - 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

- of auxiliary contacts at DC-13
 - 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
- 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
 - 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 style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — finely stranded — with core end processing • at AWG conductors for auxiliary contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14)

Safety related data

Product function Mirror contact acc. to IEC 60947-4-1 <ul style="list-style-type: none"> • Note 	Yes with 3RT1
Product function positively driven operation acc. to IEC 60947-5-1	No

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery
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[KC](#)



[Type Examination Certificate](#)

Declaration of Conformity	Test Certificates	Shipping Approval
<p>EG-Konf.</p>	<p>Miscellaneous</p> <p>Special Test Certificate</p> <p>Type Test Certificates/Test Report</p>	

Shipping Approval	other	Railway
<p>LRS</p> <p>RINA</p> <p>RMRS</p>	<p>Confirmation</p>	<p>Special Test Certificate</p> <p>Type Test Certificates/Test Report</p>

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1CA01>

Cax online generator

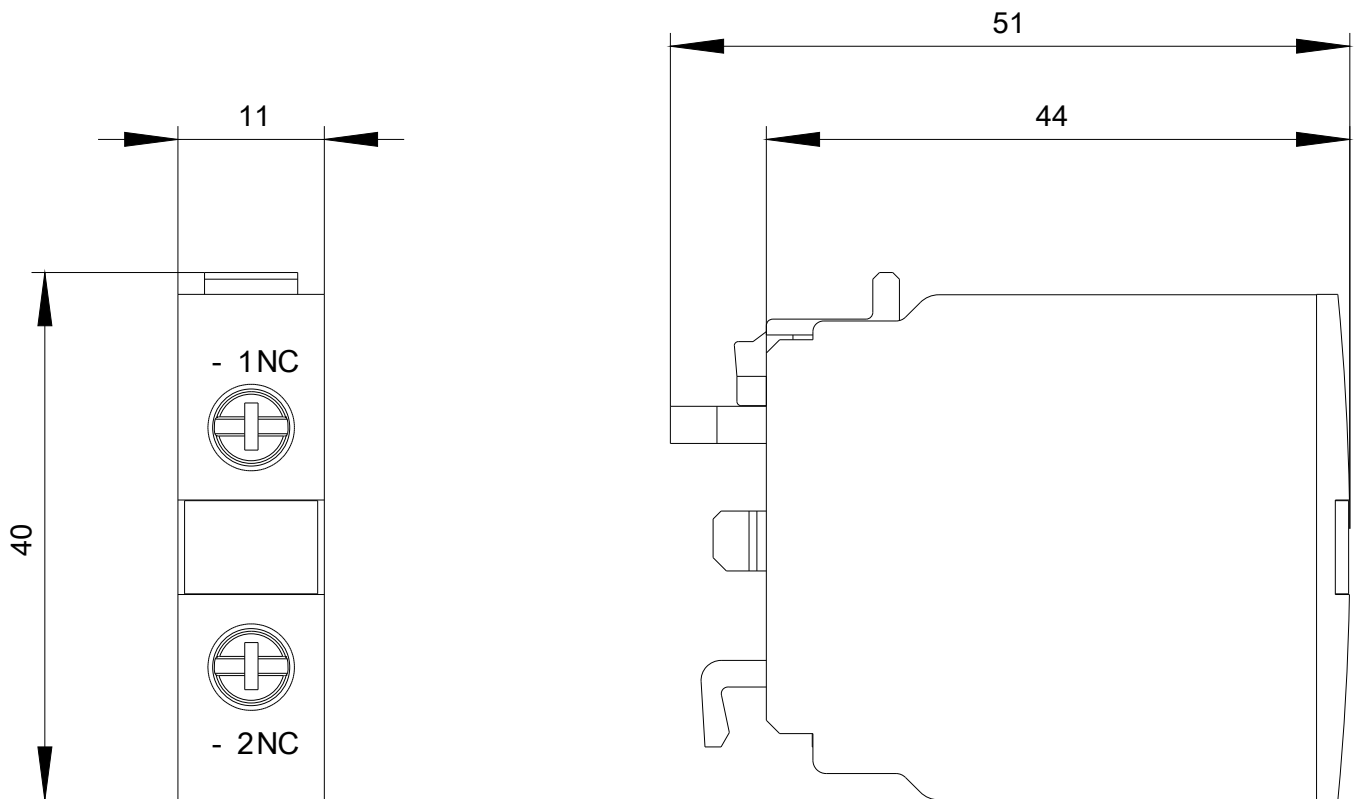
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1CA01>

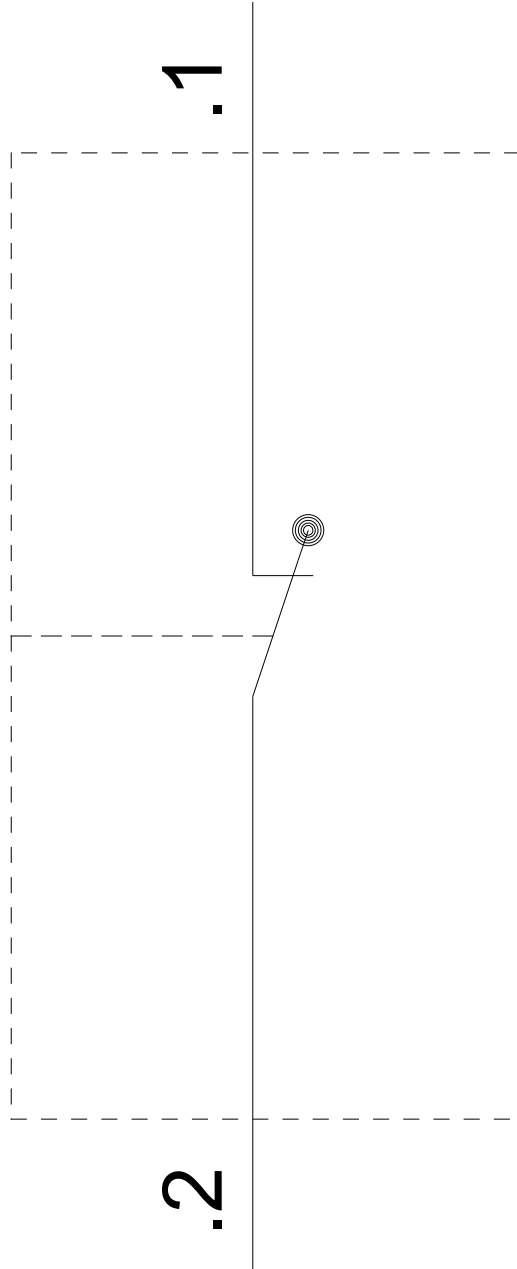
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1CA01>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1CA01&lang=en





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