



first lateral auxiliary switch 2 NO contacts, 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 of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
insulation voltage with degree of pollution 3 at AC rated value	500 V
surge voltage resistance rated value	6 kV
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
• instantaneous contact	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	2
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
operational 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
operational 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 • with 3 current paths in series at DC-12 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value	1.3 A 10 A 10 A 10 A 3.6 A 2.5 A
operational current	
• of auxiliary contacts at DC-13 — at 24 V — at 60 V — at 110 V — at 220 V • with 2 current paths in series at DC-13 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value • with 3 current paths in series at DC-13 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value	6 A 2 A 1 A 0.3 A 10 A 3.5 A 1.3 A 0.9 A 0.2 A 10 A 4.7 A 3 A 1.2 A 0.5 A
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
width	10 mm
height	80 mm
depth	71 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections	
• for auxiliary contacts — finely stranded — with core end processing • at AWG cables for auxiliary contacts	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)
Safety related data	
product function mirror contact according to IEC 60947-4-1	Yes
• note	with 3RT1
product function positively driven operation according to IEC 60947-5-1	No
Certificates/ approvals	
General Product Approval	Functional Safety/Safety of Machinery



[Confirmation](#)



[KC](#)



[Type Examination Certificate](#)

Declaration of Conformity

Test Certificates

Marine / Shipping



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)




[Confirmation](#)
[Vibration and Shock](#)

Railway

[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=3RH1921-1EA20>

Cax online generator

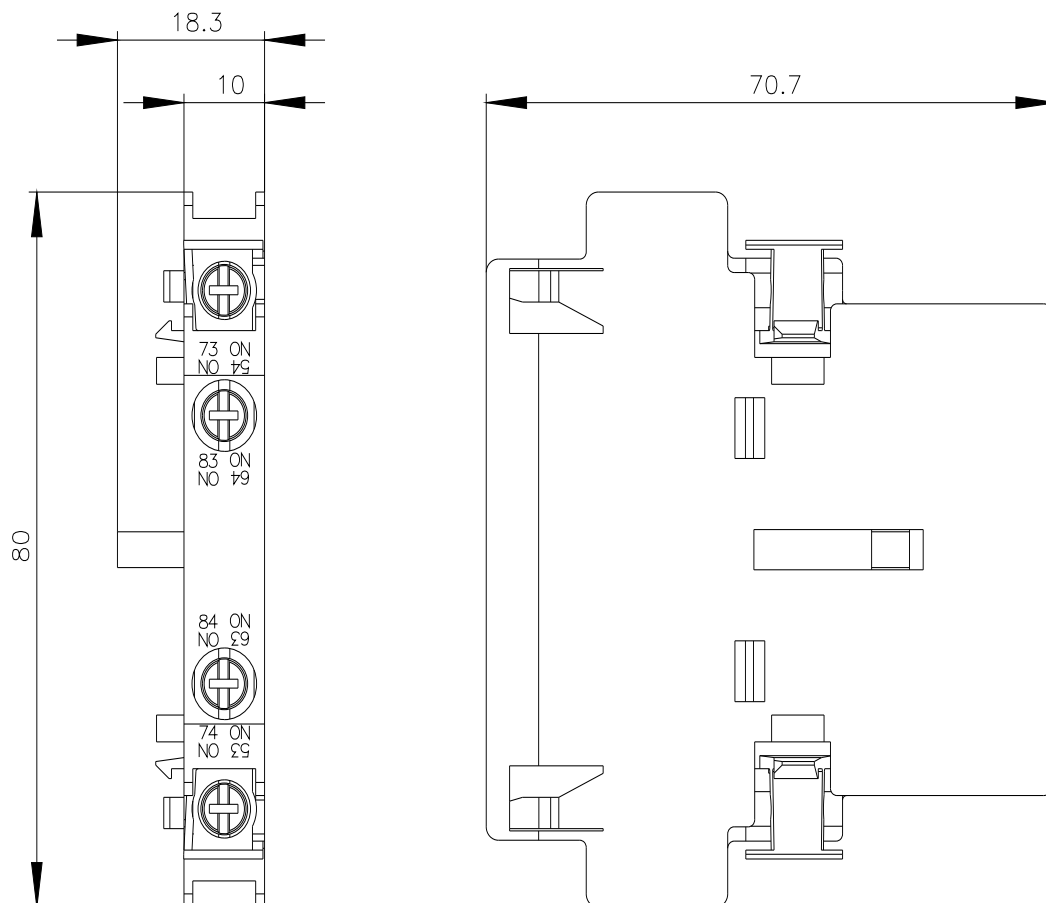
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1EA20>

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

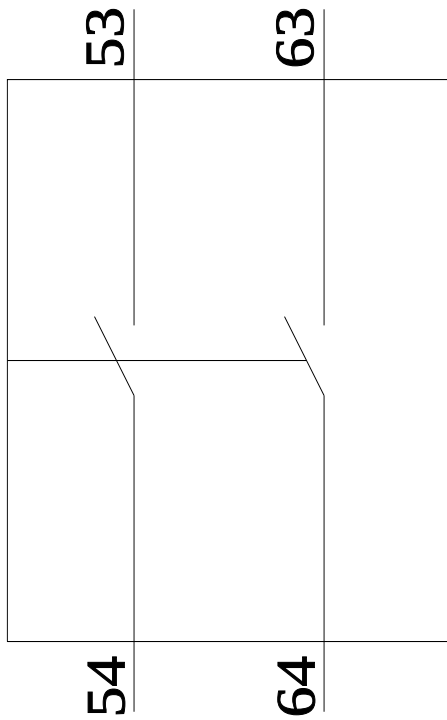
<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1EA20>

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

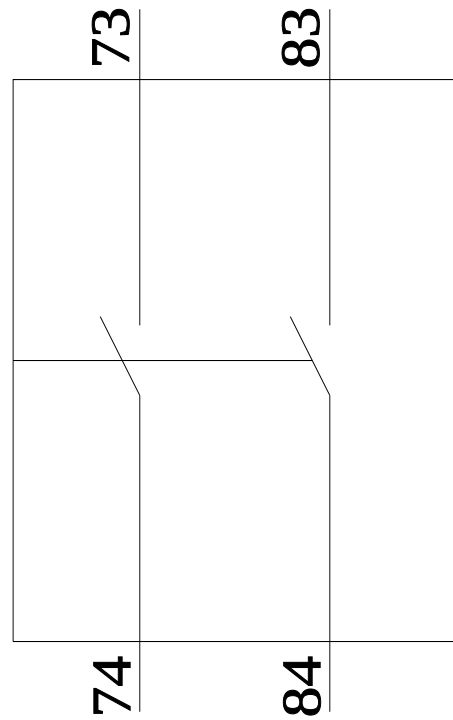
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1EA20&lang=en



Links / left



Rechts / right



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