



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S2 54 ... 65 A
230 V AC, 50 Hz screw terminal for installation on standard mounting rail
(also fulfills type of coordination 1) Type of coordination 2, I_q = 100 kA 1
NO+1 NC (contactor)

product brand name
product designation
design of the product
product type designation
manufacturer's article number

- of the supplied contactor
- of the supplied circuit-breakers
- of the supplied link module

SIRIUS
Direct (on-line) starter
for standard rail or screw mounting
3RA21

[3RT2037-1AP00](#)
[3RV2031-4JA10](#)
[3RA2931-1AA00](#)

General technical data

size of the circuit-breaker	S2
size of load feeder	S2
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
degree of protection NEMA rating	other
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (switching cycles) of contactor typical	10 000 000
type of assignment	2
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Substance Prohibitance (Date)	03/01/2017

Ambient conditions

ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
temperature compensation	-20 ... +60 °C
relative humidity during operation	10 ... 95 %

Main circuit

number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	54 ... 65 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current	
• at AC-3 at 400 V rated value	55 A

operating power		
- at AC-3 - at 230 V rated value - at 400 V rated value	18 500 W 30 000 W	
Control circuit/ Control		
type of voltage of the control supply voltage	AC	
control supply voltage at AC		
- at 50 Hz rated value - at 50 Hz rated value	230 V 230 ... 230 V	
apparent holding power of magnet coil at AC	16 VA	
inductive power factor with the holding power of the coil	0.37	
Auxiliary circuit		
product extension auxiliary switch	Yes	
Protective and monitoring functions		
trip class	CLASS 10	
design of the overload release	thermal (bimetallic)	
response value current of instantaneous short-circuit trip unit	845 A	
Short-circuit protection		
product function short circuit protection	Yes	
design of the short-circuit trip	magnetic	
conditional short-circuit current (I _q)		
at 400 V according to IEC 60947-4-1 rated value	100 000 A	
Installation/ mounting/ dimensions		
mounting position	vertical, horizontal	
fastening method	screw and snap-on mounting to two 35 mm standard mounting rails	
height	274 mm	
width	55 mm	
depth	150 mm	
required spacing		
- for grounded parts - forwards - backwards - upwards - at the side - downwards - for live parts - forwards - backwards - upwards - downwards - at the side	32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm 10 mm 10 mm	
Connections/ Terminals		
type of electrical connection		
- for main current circuit - for auxiliary and control circuit	screw-type terminals screw-type terminals	
Safety related data		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Communication/ Protocol		
protocol is supported		
- PROFINET IO protocol - PROFIsafe protocol	No No	
protocol is supported AS-Interface protocol	No	
Certificates/ approvals		
General Product Approval	For use in hazardous locations	Declaration of Conformity



[Confirmation](#)



Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

Railway

Dangerous Good



[Confirmation](#)

[Vibration and Shock](#)

[Transport Information](#)

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=3RA2130-4JA37-0AP0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2130-4JA37-0AP0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4JA37-0AP0>

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

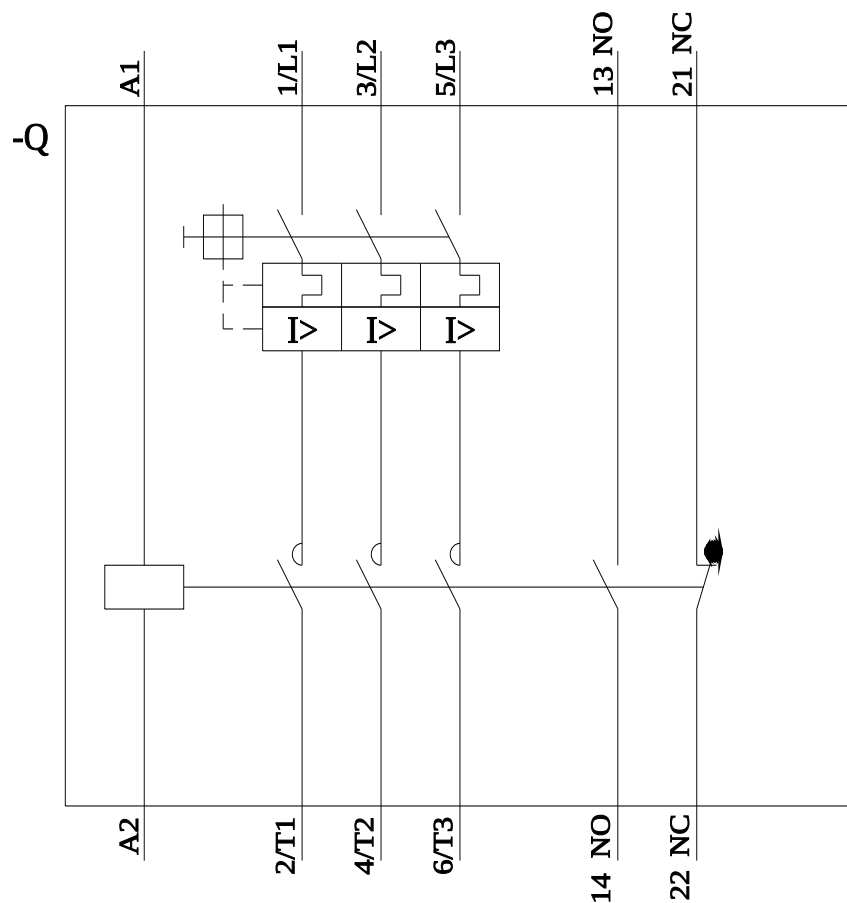
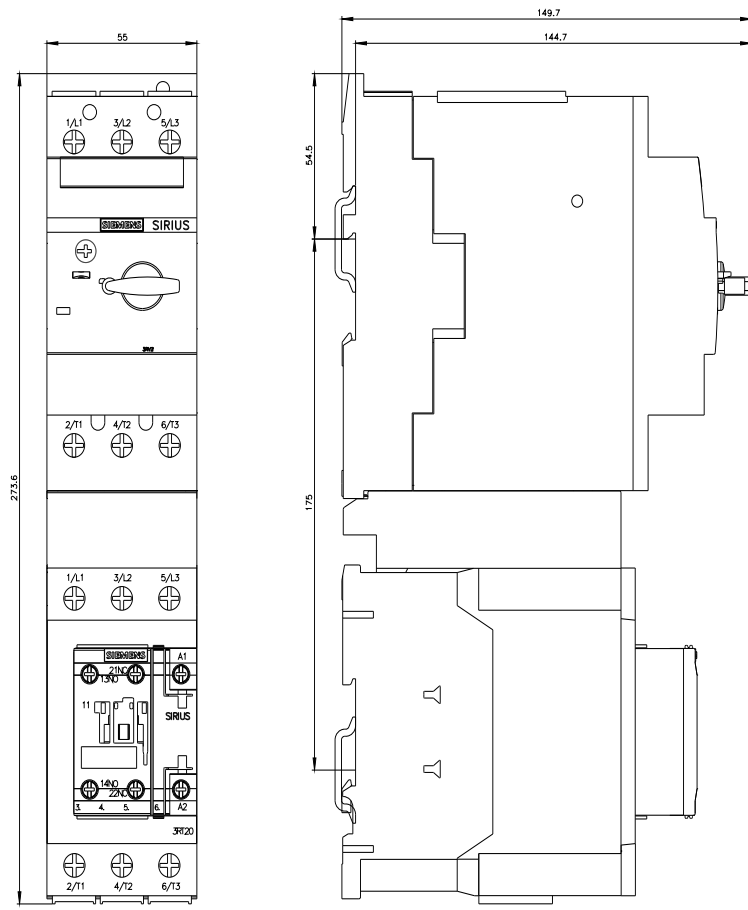
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2130-4JA37-0AP0&lang=en

Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4JA37-0AP0/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2130-4JA37-0AP0&objecttype=14&gridview=view1>



last modified:

2/16/2022

