



Fuseless motor starter Direct start 600VAC Size S00 0.11-0.16a
110/120VAC 50/60HZ screw connection For snapping onto 60 mm busbar
systems Type of coordination 2 IQ = 150 KA Also full fills type Of
coordination 1 1NO (contactor)

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

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

SIRIUS
non-fused motor starter 3RA2
direct starter

[3RT2015-1AK61](#)
[3RV2011-0AA10](#)
[8US1251-5DS10](#)
[3RA1921-1DA00](#)

General technical data

size of the circuit-breaker S00
size of load feeder S00
product extension auxiliary switch Yes
insulation voltage with degree of pollution 3 at AC rated value 690 V
degree of pollution 3
surge voltage resistance rated value 6 kV
shock resistance according to IEC 60068-2-27 6g / 11 ms
mechanical service life (switching cycles) of contactor typical 30 000 000
type of assignment 2

Ambient conditions

ambient temperature

- during operation -20 ... +60 °C
- during storage -50 ... +80 °C
- during transport -55 ... +80 °C

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 0.11 ... 0.16 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 0.16 A
operating power at AC-3

- at 400 V rated value 40 W
- at 500 V rated value 40 W
- at 690 V rated value 60 W

Control circuit/ Control

control supply voltage at AC

- at 50 Hz rated value 110 V

<ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil	93.5 ... 121 V 120 V 96 ... 132 V 4.8 VA 0.25
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	1
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	2.08 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (I_q)	
<ul style="list-style-type: none"> • at 690 V according to IEC 60947-4-1 rated value • at 400 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value 	100 000 A 153 000 A 100 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	for snapping onto 60 mm busbar systems
height	200 mm
width	45 mm
depth	155.1 mm
required spacing	
<ul style="list-style-type: none"> • for grounded parts <ul style="list-style-type: none"> — forwards — backwards — upwards — at the side — downwards • for live parts <ul style="list-style-type: none"> — forwards — backwards — upwards — downwards — at the side 	0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm 20 mm 10 mm 9 mm
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • for main contacts stranded • at AWG cables for main contacts 	0.5 ... 4 mm ² , 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), only for contactor 2x (18 ... 14), 2x 12
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 ... 2.5 mm ²
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	73 %
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Certificates/ approvals	
General Product Approval	For use in hazardous locations
	Declaration of Conformity



[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
---------------------------	-------------------	-------------------



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Railway
-------------------	-------	---------



[Confirmation](#)

[Vibration and Shock](#)

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=3RA2110-0AD15-1AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0AD15-1AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0AD15-1AK6>

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

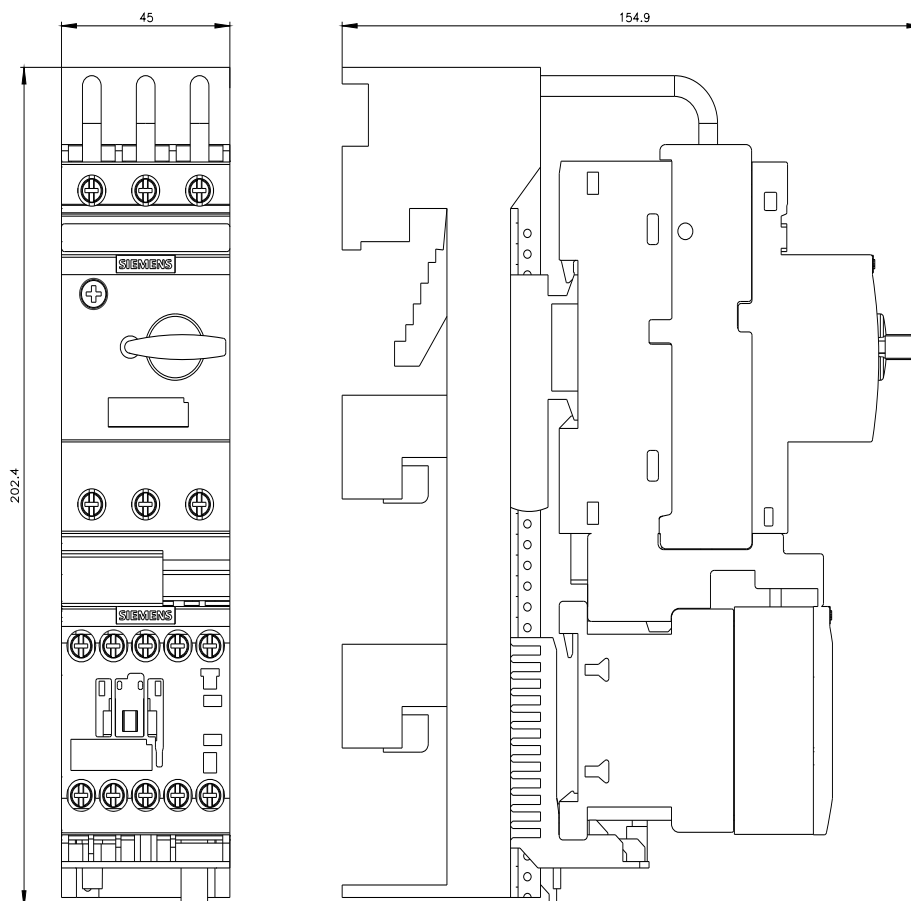
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0AD15-1AK6&lang=en

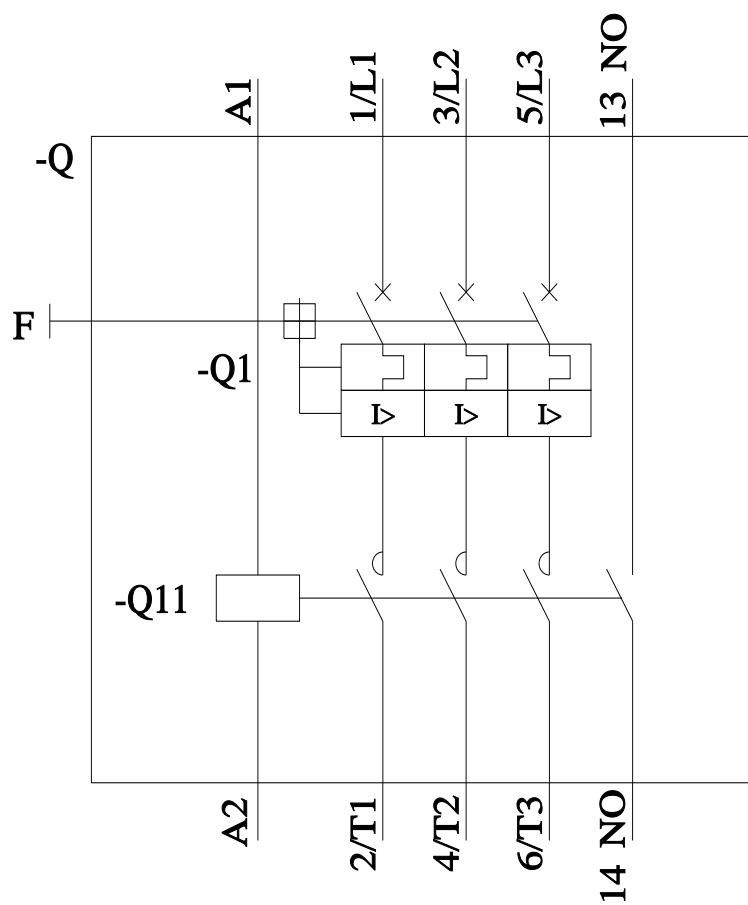
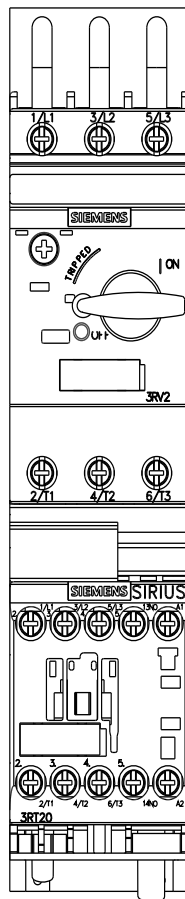
Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0AD15-1AK6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0AD15-1AK6&objecttype=14&gridview=view1>





last modified:

12/15/2020