








FUSELESS LOAD FEEDER DIRECT START, AC 400V, SZ. S00
0.11...0.16A, AC110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING,
TYPE OF ASSIGNMENT 2, IQ = 150KA (ALSO FULFILLS TYPE OF
ASSIGNMENT 1) 1NO (CONTACTOR)

product brand name	SIRIUS
product designation	non-fused load feeders 3RA2
design of the product	direct starter
manufacturer's article number	
• of the supplied contactor	3RT2015-1AK61
• of the supplied circuit-breakers	3RV2011-0AA10
• of the supplied link module	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 (operating cycles) of contactor typical	30 000 000
type of assignment	2
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	0.575 kg
Ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +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				
• at 60 Hz rated value	120 V				
apparent holding power of magnet coil at AC	4.2 VA				
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)					
• at 690 V according to IEC 60947-4-1 rated value	100 000 A				
• at 400 V according to IEC 60947-4-1 rated value	153 000 A				
• at 500 V according to IEC 60947-4-1 rated value	100 000 A				
Installation/ mounting/ dimensions					
mounting position	vertical				
fastening method	screw and snap-on mounting onto 35 mm DIN rail				
height	167.2 mm				
width	45 mm				
depth	97.1 mm				
required spacing					
• for grounded parts					
— forwards	0 mm				
— backwards	0 mm				
— upwards	20 mm				
— at the side	9 mm				
— downwards	10 mm				
• for live parts					
— forwards	0 mm				
— backwards	0 mm				
— upwards	20 mm				
— downwards	10 mm				
— at the side	9 mm				
Connections/ Terminals					
type of electrical connection for main current circuit	screw-type terminals				
type of connectable conductor cross-sections for main contacts stranded	0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)				
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 ... 2.5 mm²				
Safety related data					
proportion of dangerous failures with high demand rate according to SN 31920	73 %				
B10 value with high demand rate according to SN 31920	1 000 000				
Electrical Safety					
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				
Approvals Certificates					
General Product Approval	For use in hazardous locations	Test Certificates			
 EG-Konf.		 UL		 ATEX	Special Test Certificate
Test Certificates	Marine / Shipping				



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



[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3RA2110-0AA15-1AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0AA15-1AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0AA15-1AK6>

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

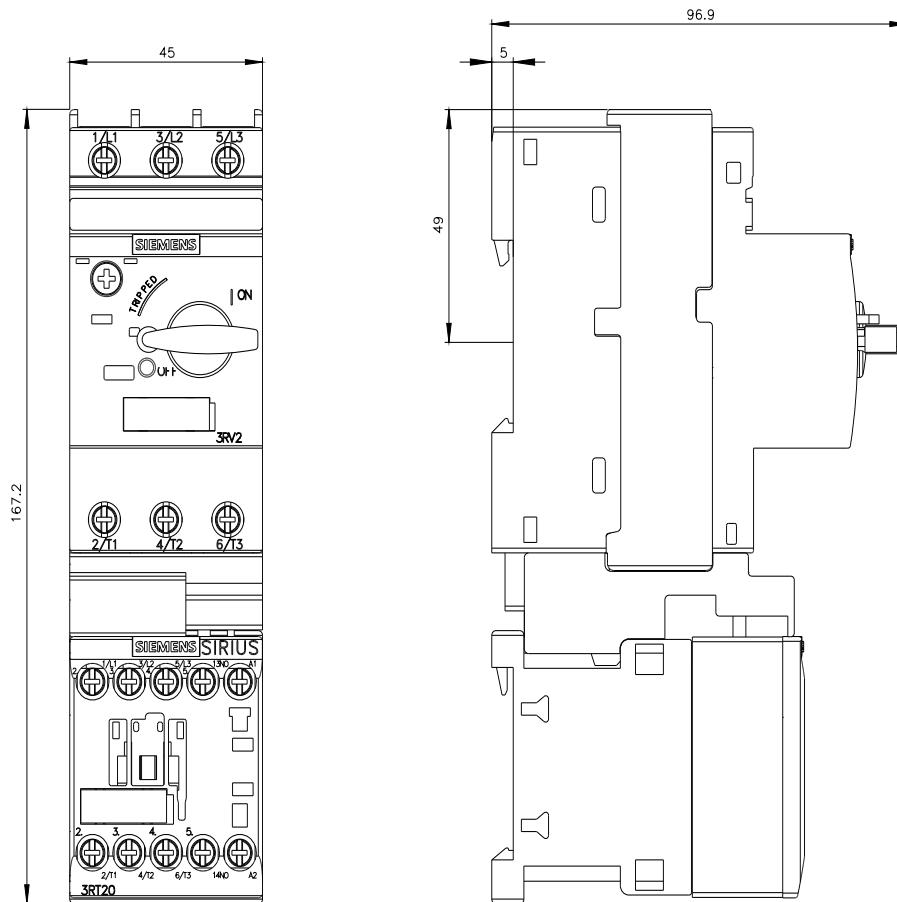
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0AA15-1AK6&lang=en

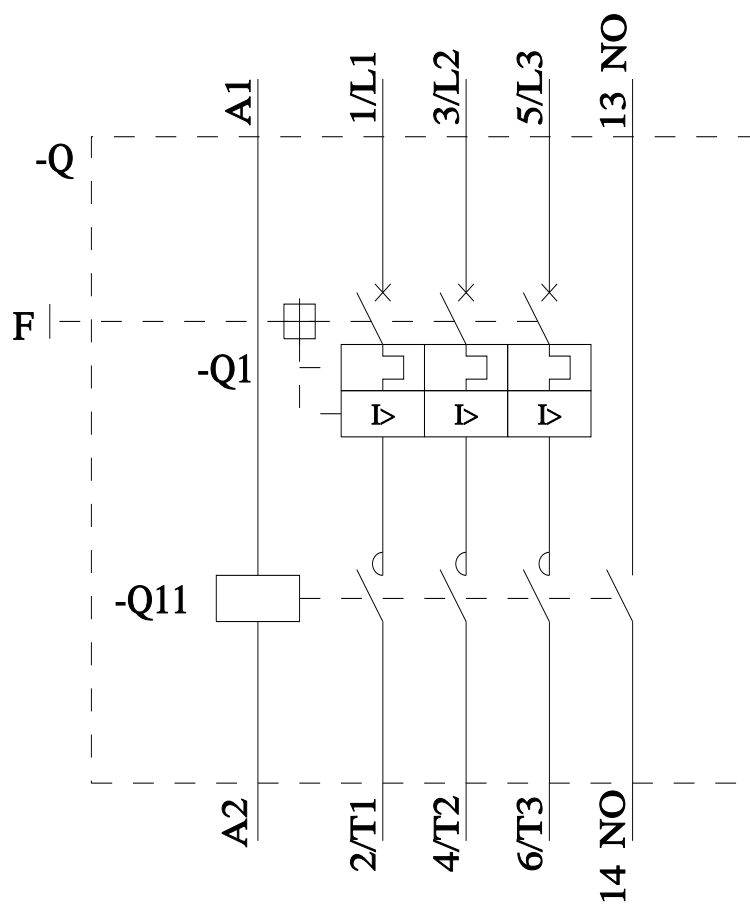
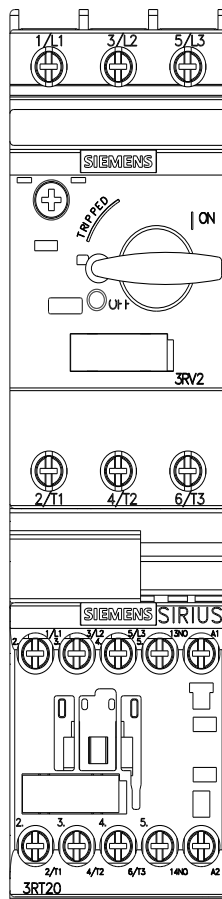
Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0AA15-1AK6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0AA15-1AK6&objecttype=14&gridview=view1>





last modified:

3/11/2024

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Siemens:](#)

[3RA21100AA151AK6](#)