



FUSELESS LOAD FEEDER REVERSING OPERATION, 400 V AC, S00
0.22 TO 0.32 A 3 KW, 110/120 V AC 50/60 HZ SCREW TERMINAL FOR
STANDARD RAIL MOUNTING, TYPE OF COORDINATION 2, IQ = 150 KA
(ALSO FULFILLS TYPE OF COORDINATION 1) 1NC (CONTACTOR)

product brand name	SIRIUS
product designation	non-fused load feeders 3RA2
design of the product	reversing starter
manufacturer's article number	
• of the supplied contactor	3RT2015-1AK62
• of the supplied circuit-breakers	3RV2011-0DA10
• 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 acc. to IEC 60068-2-27	6g / 11 ms
mechanical service life (switching cycles) of contactor typical	30 000 000
type of assignment	2
Substance Prohibitance (Date)	01.10.2009 00:00:00
Ambient conditions	
• ambient temperature during operation	-20 ... +60 °C
• ambient temperature during storage	-50 ... +80 °C
• ambient temperature 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	0.22 ... 0.32 A
• operating voltage rated value	690 V
• operating voltage 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	0.3 A
operating power at AC-3	
• at 400 V rated value	90 W
• at 500 V rated value	90 W
• at 690 V rated value	120 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 V·A
Protective and monitoring functions		
trip class		CLASS 10
design of the overload release		thermal (bimetallic)
response value current of instantaneous short-circuit trip unit		4.16 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 acc. to IEC 60947-4-1 rated value		100 000 A
• at 400 V acc. to IEC 60947-4-1 rated value		153 000 A
• at 500 V acc. 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 standard mounting rail
height		170 mm
width		90 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)
• at AWG cables for main contacts		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 mm²
Safety related data		
B10 value with high demand rate acc. to SN 31920		1 000 000
proportion of dangerous failures with high demand rate acc. to SN 31920		73 %
protection class IP on the front acc. to IEC 60529		IP20
touch protection on the front acc. to IEC 60529		finger-safe, for vertical contact from the front
Certificates/ approvals		
General Product Approval	For use in hazardous locations	Declaration of Conformity



[Miscellaneous](#)

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=3RA2210-0DA15-2AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0DA15-2AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0DA15-2AK6>

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

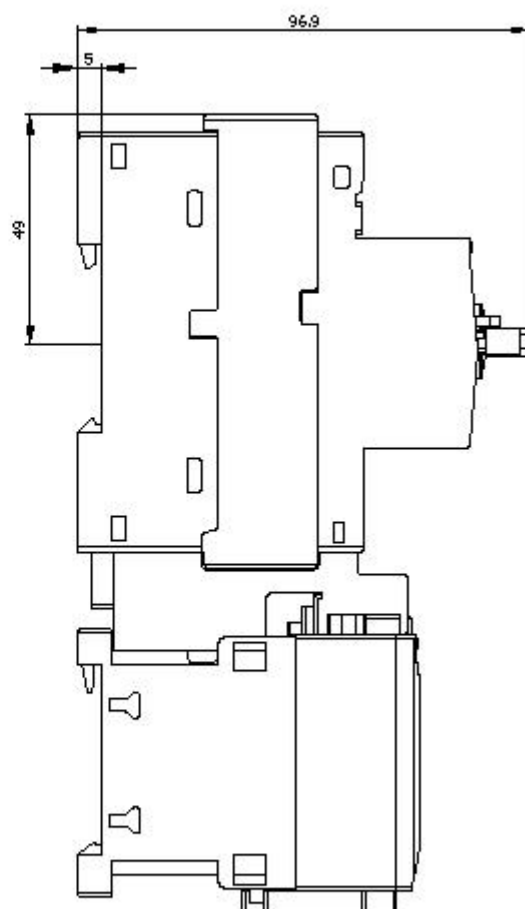
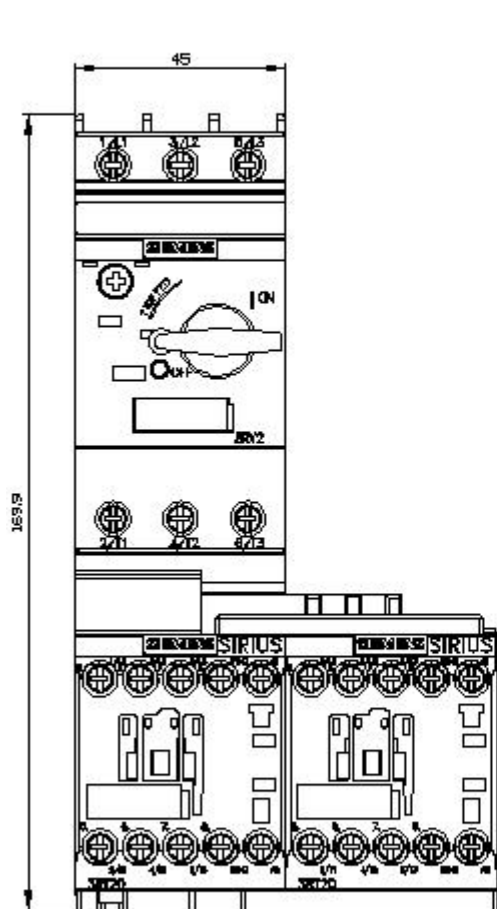
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0DA15-2AK6&lang=en

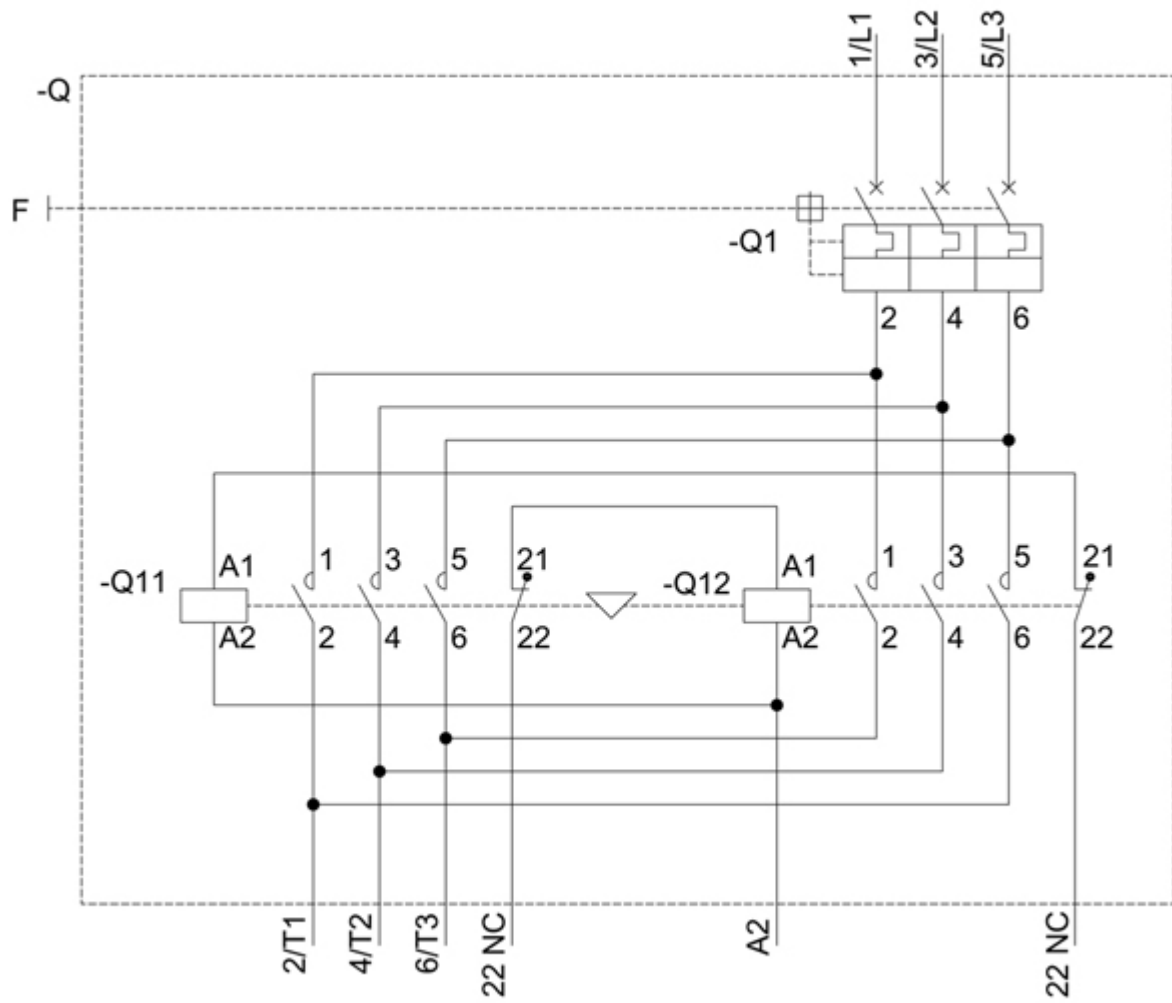
Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0DA15-2AK6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0DA15-2AK6&objecttype=14&gridview=view1>





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