SIEMENS

Data sheet 3RA2110-1GE15-1AP0

LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S00 4.5. . .6.3A, AC 230V SPRING-LOADED CONNECTION FOR RAIL-MOUNTING, TYPE OF COORDINATION 1, IQ = 150KA 1NO (CONTACTOR)

Product brand name	SIRIUS
Product designation	Direct (on-line) starter
Design of the product	for standard rail or screw mounting
Product type designation	3RA21
Manufacturer's article number	
• of the supplied contactor	3RT2015-2AP01
• of the supplied circuit-breakers	3RV2011-1GA20
• of the supplied link module	3RA2911-2AA00

General technical data	
Size of the circuit-breaker	S00
Size of load feeder	S00
Insulation voltage	
• with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
Protection class IP	
• on the front	IP20
Type of assignment	1
Protection against electrical shock	finger-safe

Ambient conditions	
Ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
Temperature compensation	-20 ... +60 °C

Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	4.5 ... 6.3 A
Operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
Operating frequency rated value	50 ... 60 Hz
Operating current	
• at AC-3	
— at 400 V rated value	4.9 A
Operating power	
• **at AC-3**	
— at 400 V rated value	2 200 W

Control circuit/ Control	
Control supply voltage at AC	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
Apparent holding power of magnet coil at AC	4.2 V·A

Auxiliary circuit	
Product extension Auxiliary switch	Yes

Protective and monitoring functions	
Trip class	CLASS 10
Design of the overload release	thermal (bimetallic)

UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	4.8 A
Yielded mechanical performance [hp]	
• for three-phase AC motor	
— at 200/208 V rated value	1 hp
— at 220/230 V rated value	1.5 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 hp

Short-circuit protection

Product function Short circuit protection	Yes
Design of the short-circuit trip	magnetic
Conditional short-circuit current (Iq)	
• at 400 V acc. to IEC 60947-4-1 rated value	153 000 A

Installation/ mounting/ dimensions

Mounting position	vertical
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail
Height	197.6 mm
Width	45 mm
Depth	97.1 mm
Required spacing	
• for grounded parts	
— forwards	20 mm
— Backwards	0 mm
— upwards	50 mm
— at the side	20 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— Backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	20 mm

Connections/Terminals

Type of electrical connection	
• for main current circuit	spring-loaded terminals

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 %

Certificates/approvals

General Product Approval			For use in hazardous locations		Declaration of Conformity
CSA	UL		ATEX	IECEx	EG-Konf.

Test Certificates		Marine / Shipping			
Type Test Certificates/Test Report	Special Test Certificate	ABS	BUREAU VERITAS	LRS	PRS

Marine / Shipping			other		Railway
RINA	RMRS		Environmental Confirmations	Confirmation	Vibration and Shock

Further information

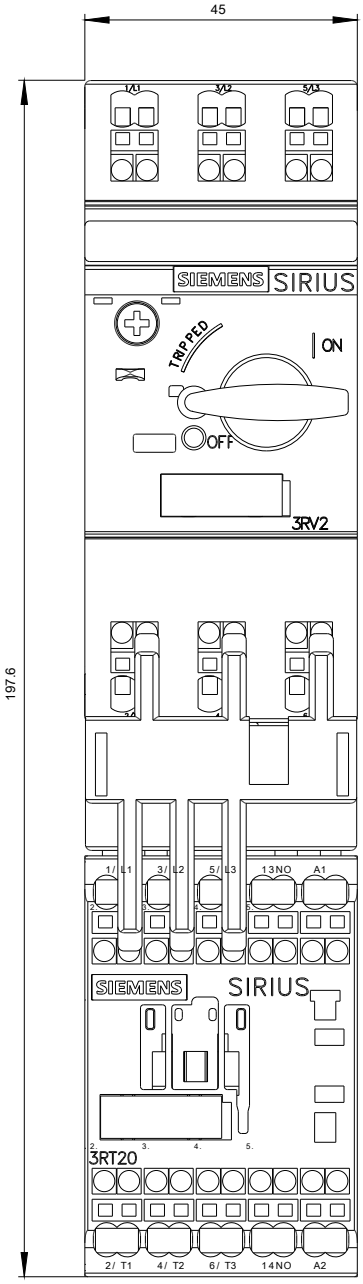
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

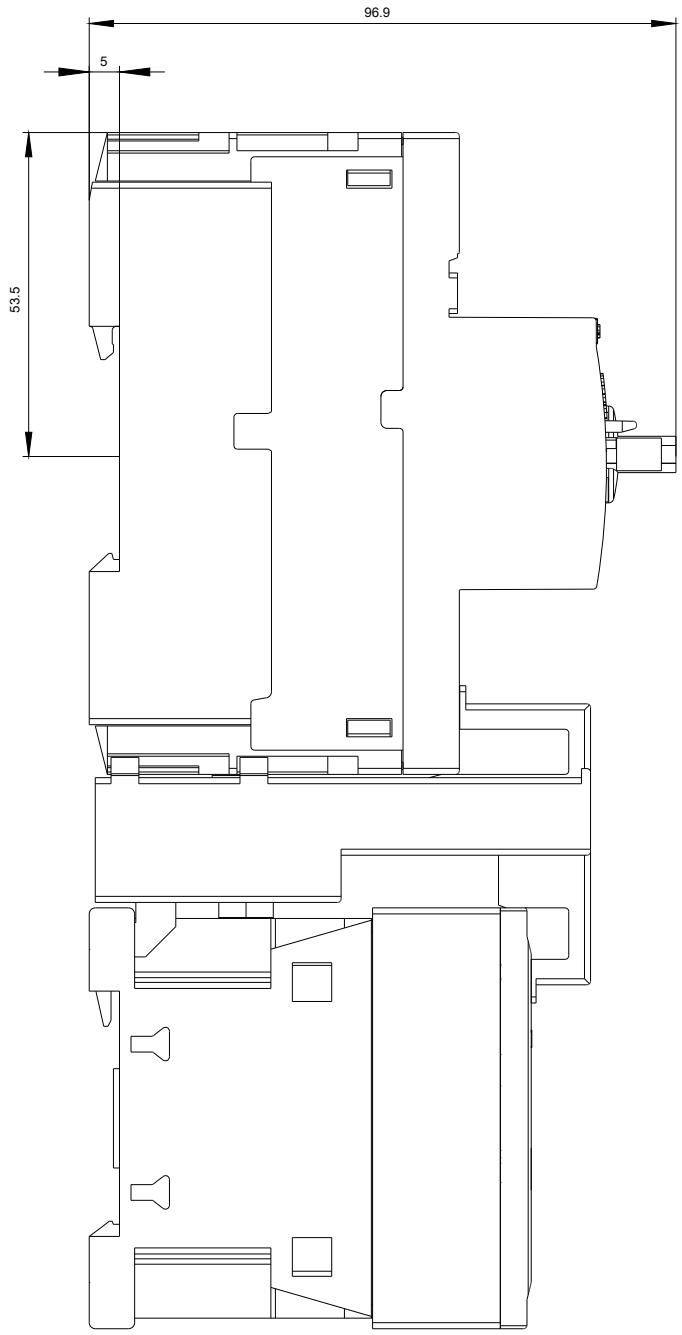
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2110-1GE15-1AP0

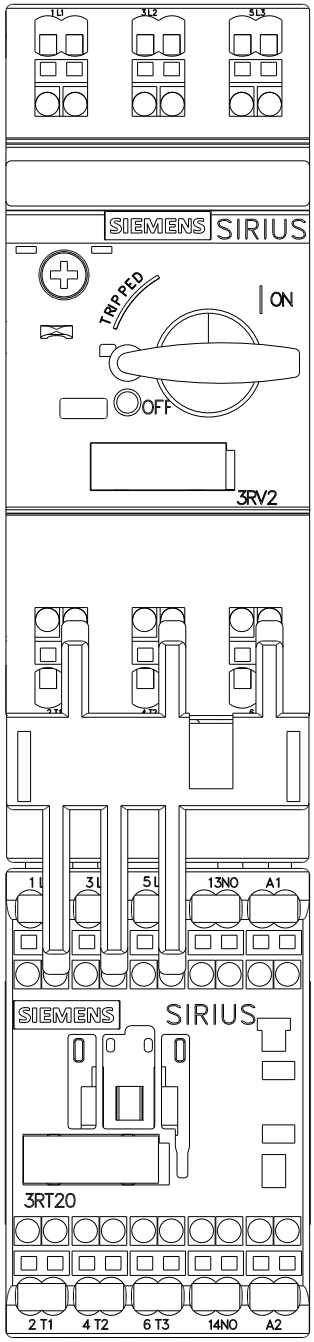
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1GE15-1AP0

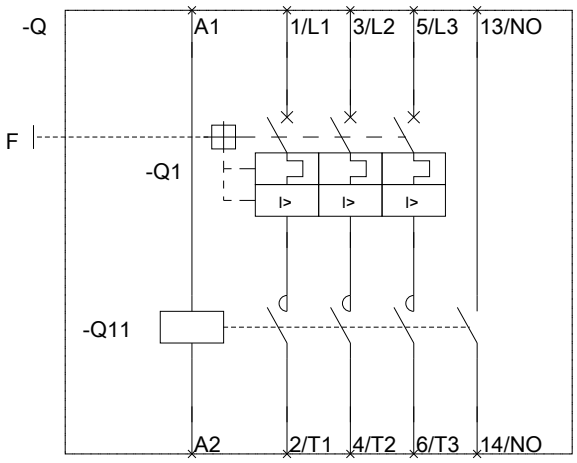
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1GE15-1AP0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1GE15-1AP0&lang=en









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