SIEMENS

Data sheet 3RA2110-1HD15-1AP0

LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S00 5,5. . .8A, AC 230V SCREW CONNECTION FOR BUSBAR SYSTEMS 60MM TYPE OF COORDINATION 1, IQ = 150KA 1NO (CONTACTOR)

product brand name		SIRIUS
Product designation		non-fused load feeders 3RA2
Manufacturer article number		
• of the supplied contactor		3RT2015-1AP01
• of the supplied circuit-breakers		3RV2011-1HA10
• of the supplied busbar adapter		8US1251-5DS10
• of the supplied link module		3RA1921-1DA00
General technical data:		
Insulation voltage		
• with degree of pollution 3 Rated value	V	690
Shock resistance		
• acc. to IEC 60068-2-27		6g / 11 ms
Surge voltage resistance Rated value	kV	6
Type of assignment		1
Protection class IP		
• on the front		IP20
Main circuit:		
Number of poles for main current circuit		3
Adjustable response value current of the current-dependent overload release	A	5.5 ... 8
Operating voltage		
• Rated value	V	690
• at AC-3 Rated value maximum	V	690
Operating frequency Rated value	Hz	50 ... 60
Operating current		

• at AC-3		
— at 400 V Rated value	A	6.5
Operating power		
• at AC-3		
— at 400 V Rated value	W	3 000
— at 500 V Rated value	W	4 000
— at 690 V Rated value	W	5 500
Control circuit/ Control:		
Control supply voltage with AC		
• at 50 Hz Rated value	V	230
• at 60 Hz Rated value	V	230
Apparent holding power of the magnet coil with AC	V·A	4.2
Auxiliary circuit:		
Product expansion Auxiliary switch		Yes
Protective and monitoring functions:		
Trip class		CLASS 10
Design of the overload circuit breaker		thermal (bimetallic)
UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	A	8
yielded mechanical performance [hp]		
• for three-phase AC motor at 220/230 V Rated value	metric hp	2
• for three-phase AC motor at 460/480 V Rated value	metric hp	5
• for three-phase AC motor at 575/600 V Rated value	metric hp	5
Short-circuit:		
Product function Short circuit protection		Yes
Design of the short-circuit trip		magnetic
Conditional short-circuit current (Iq)		
• at 690 V acc. to IEC 60947-4-1 Rated value	A	4 000
• at 400 V acc. to IEC 60947-4-1 Rated value	A	153 000
• at 500 V acc. to IEC 60947-4-1 Rated value	A	42 000
Installation/ mounting/ dimensions:		
mounting position		vertical
Mounting type		for snapping onto 60 mm busbar systems
Height	mm	200
Width	mm	45
Depth	mm	155.1

Required spacing		
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	20
— at the side	mm	9
— downwards	mm	10
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	20
— downwards	mm	10
— at the side	mm	9

Connections/ Terminals:

Type of electrical connection		
• for main current circuit		screw-type 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
Protection against electrical shock		finger-safe

Mechanical data:

Size of the circuit-breaker		S00
Size of load feeder		S00

Ambient conditions:

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

Certificates/ approvals:

General Product Approval			For use in hazardous locations	Declaration of Conformity	Test Certificates
CSA	UL	EAC	ATEX	EG-Konf.	Type Test Certificates/Test Report

Test Certificates		Shipping Approval			
Declaration of the Compliance with the order	Special Test Certificate	ABS	BUREAU VERITAS	DNV	GL

Shipping Approval		other		
PRS	RINA	Declaration of Conformity	Environmental Confirmations	other

Further information

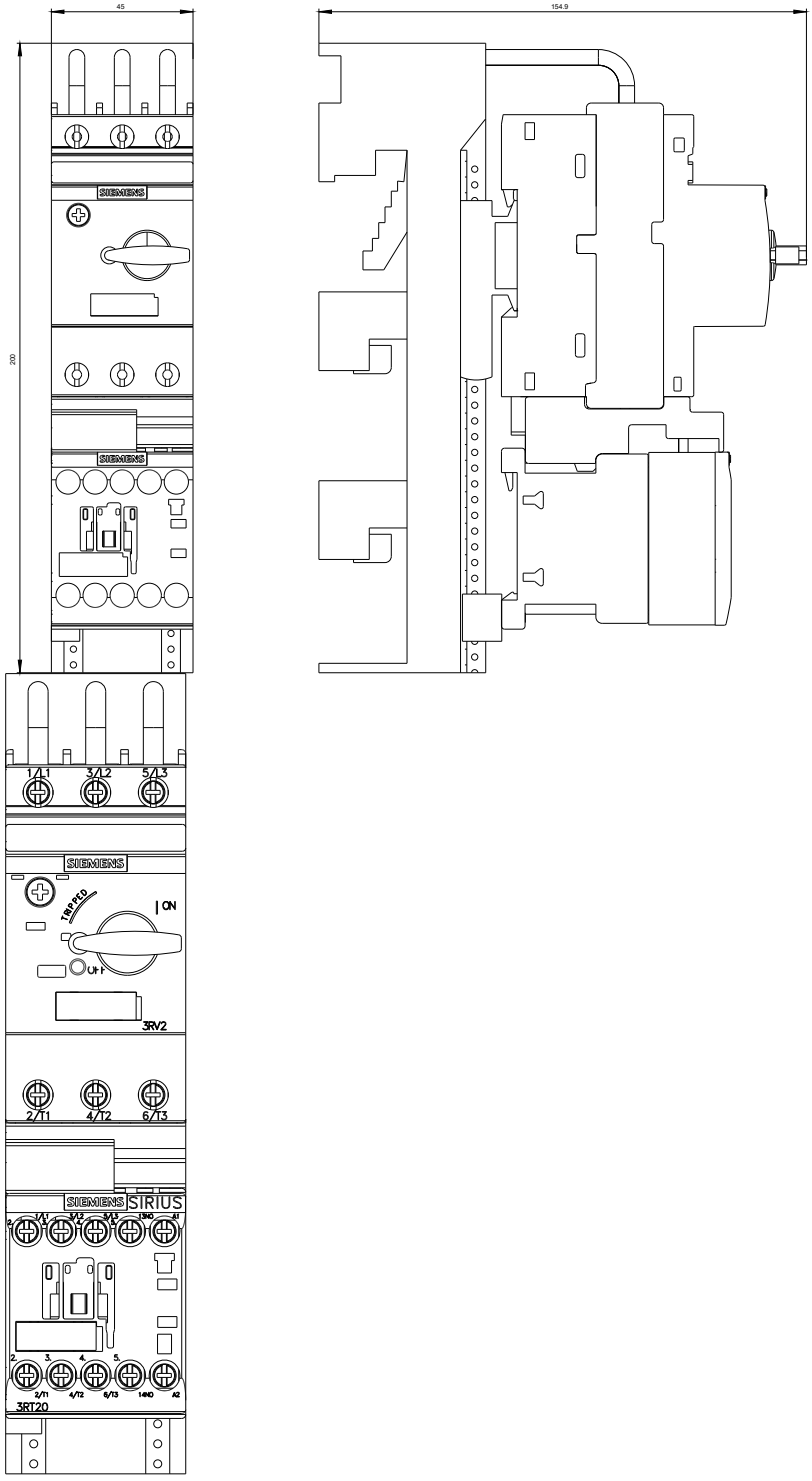
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

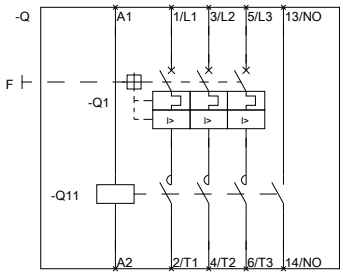
Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA21101HD151AP0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RA21101HD151AP0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA21101HD151AP0&lang=en





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