SIEMENS

Data sheet 3RA2210-1BH15-2BB4

LOAD FEEDER FUSELESS REVERSING DUTY, AC 400V, SZ S00, 1.4. . .2A, DC 24V SPRING-LOADED CONNECTION FOR BUSBAR SYSTEMS 60MM TYPE OF COORDINATION 2, IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NC (CONTACTOR)

product brand name		SIRIUS
Product designation		non-fused load feeders 3RA2
Manufacturer article number		
• of the supplied contactor		3RT2015-2BB42
• of the supplied circuit-breakers		3RV2011-1BA20
• of the supplied RS assembly kit		8US1250-5AT10
• of the supplied busbar adapter		8US1251-5DT11
• of the supplied link module		3RA2911-2AA00
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		2
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	1.4 ... 2
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	1.9
Operating power		
• at AC-3		
— at 400 V Rated value	W	750
— at 500 V Rated value	W	750
— at 690 V Rated value	W	1 100
Control circuit/ Control:		
Control supply voltage for DC		
• Rated value	V	24
Holding power of the magnet coil for DC	W	4
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	2
yielded mechanical performance [hp]		
• for three-phase AC motor at 460/480 V Rated value	metric hp	0.75
• for three-phase AC motor at 575/600 V Rated value	metric hp	1
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	10 000
• 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	100 000
Installation/ mounting/ dimensions:		
mounting position		vertical
Mounting type		for snapping onto 60 mm busbar systems
Height	mm	260
Width	mm	90
Depth	mm	154.9
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		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
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.	Declaration of the Compliance with the order

Test Certificates		Shipping Approval			
Special Test Certificate	Type Test Certificates/Test Report	ABS	BUREAU VERITAS	DNV	GL

Shipping Approval		other		
PRS	RINA	Environmental Confirmations	Declaration of Conformity	other

Further information

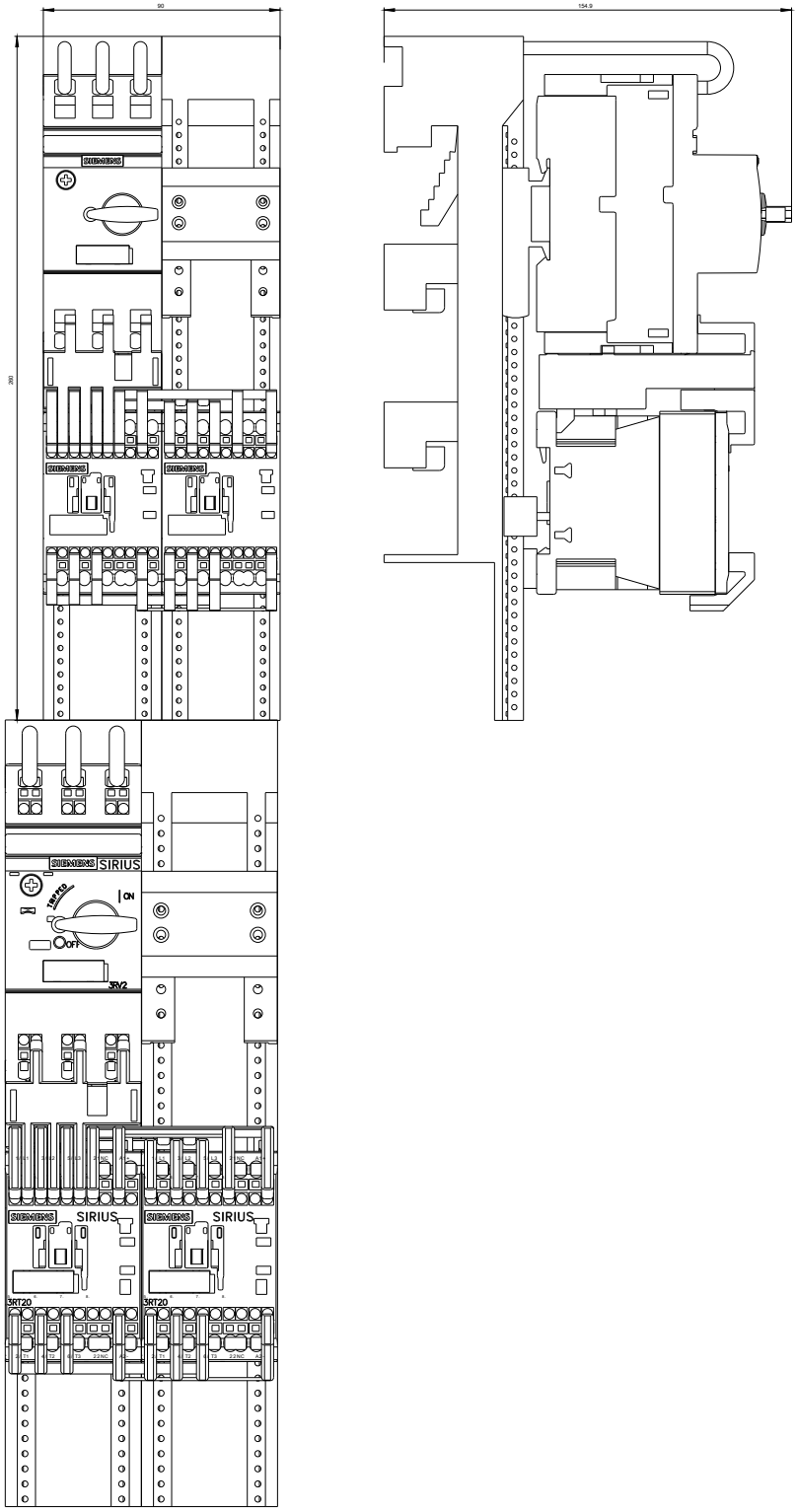
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

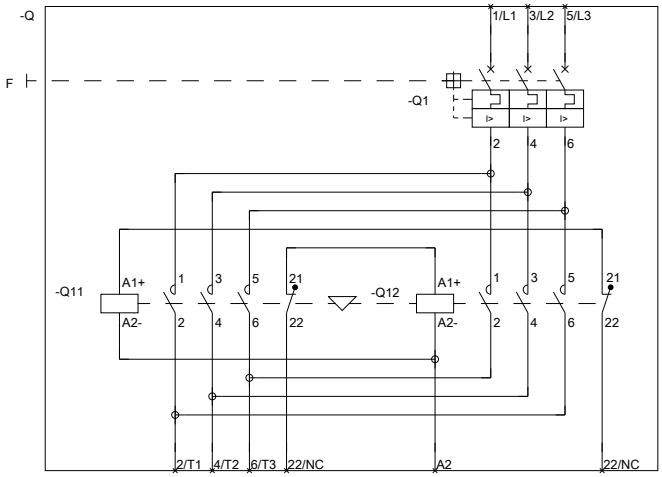
Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA22101BH152BB4

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RA22101BH152BB4/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=3RA22101BH152BB4&lang=en





last modified: 11.03.2015