

LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S00 0.7.
 . . 1A, DC 24V SCREW CONNECTION FOR BUSBAR SYSTEMS
 60MM TYPE OF COORDINATION 2, IQ = 150KA (ALSO FULFILLS
 TYPE OF COORDINATION 1) 1NO (CONTACTOR)



product brand name	SIRIUS
Product designation	non-fused load feeders 3RA2
Design of the product	direct starter
Manufacturer's article number	
<ul style="list-style-type: none"> • of the supplied contactor • of the supplied circuit-breakers • of the supplied busbar adapter • of the supplied link module 	<ul style="list-style-type: none"> 3RT2015-1BB41 3RV2011-0JA10 8US1251-5DS10 3RA1921-1DA00

General technical data	
Size of the circuit-breaker	S00
Size of load feeder	S00
Insulation voltage	
<ul style="list-style-type: none"> • with degree of pollution 3 rated value 	690 V
Surge voltage resistance rated value	6 kV
Protection class IP	
<ul style="list-style-type: none"> • on the front 	IP20
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 	6g / 11 ms
Mechanical service life (switching cycles)	

• of contactor typical	30 000 000
Type of assignment	2
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
Relative humidity during operation	10 %

Main circuit

Number of poles for main current circuit	3
Design of the switching contact	electromechanical
Adjustable pick-up value current of the current-dependent overload release	0.7 ... 1 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	0.85 A
Operating power	
• at AC-3	
— at 400 V rated value	250 W

Control circuit/ Control

Control supply voltage at DC	
• rated value	24 V
Holding power of magnet coil at DC	4 W

Auxiliary circuit

Product extension Auxiliary switch	Yes
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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	1 A
Yielded mechanical performance [hp]	
• for three-phase AC motor	
— at 575/600 V rated value	0.5 hp

Short-circuit protection

Product function <ul style="list-style-type: none">• Short circuit protection	Yes
Design of the short-circuit trip	magnetic
Conditional short-circuit current (I_q) <ul style="list-style-type: none">• at 400 V acc. to IEC 60947-4-1 rated value	153 000 A

Installation/ mounting/ dimensions

Mounting position	vertical
Mounting type	for snapping onto 60 mm busbar systems
Height	200 mm
Width	45 mm
Depth	155.1 mm
Required spacing <ul style="list-style-type: none">• for grounded parts<ul style="list-style-type: none">— forwards 20 mm— Backwards 0 mm— upwards 50 mm— at the side 20 mm— downwards 10 mm• for live parts<ul style="list-style-type: none">— forwards 20 mm— Backwards 0 mm— upwards 50 mm— downwards 10 mm— at the side 20 mm	

Connections/Terminals

Type of electrical connection <ul style="list-style-type: none">• for main current circuit	screw-type terminals
Type of connectable conductor cross-sections <ul style="list-style-type: none">• for main contacts<ul style="list-style-type: none">— stranded 0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)• at AWG conductors for main contacts 2x (20 ... 16), only for contactor 2x (18 ... 14), 2x 12	
Connectable conductor cross-section for main contacts <ul style="list-style-type: none">• finely stranded with core end processing	0.5 ... 2.5 mm ²

Safety related data

B10 value <ul style="list-style-type: none">• with high demand rate acc. to SN 31920	1 000 000
Proportion of dangerous failures <ul style="list-style-type: none">• with high demand rate acc. to SN 31920	73 %

Certificates/approvals

General Product Approval	For use in hazardous locations	Declaration of Conformity
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CSA

UL

ATEX

IECEX

EG-Konf.

Test Certificates	Shipping Approval
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ABS



BUREAU VERITAS



PRS



RINA

other	Railway
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[Umweltbestätigung](#)

[Bestätigungen](#)

[Schwingen/Schocke](#)

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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=3RA2110-0JD15-1BB4>

Cax online generator

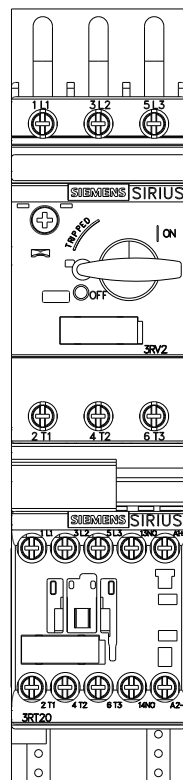
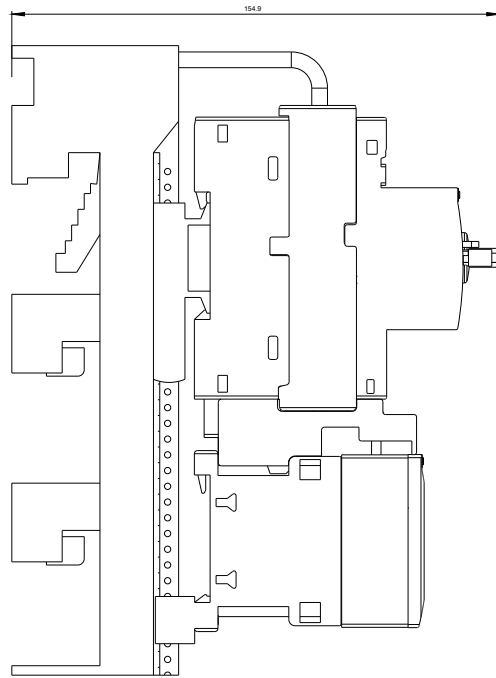
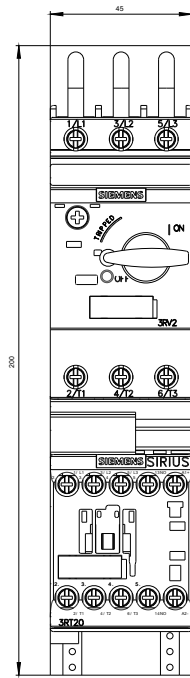
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0JD15-1BB4>

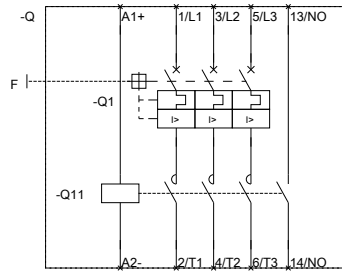
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0JD15-1BB4>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0JD15-1BB4&lang=en





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