



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 2.20...3.20 A 24 V DC Spring-type terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, I_q = 150 kA 1 NO (contactor)

product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for 60 mm busbars
product type designation	3RA21
manufacturer's article number	
• of the supplied contactor	3RT2015-2BB41
• of the supplied circuit-breakers	3RV2011-1DA20
• of the supplied busbar adapter	8US1251-5DT11
• 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 at AC rated value	690 V
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
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Substance Prohibition (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
temperature compensation	-20 ... +60 °C
relative humidity during operation	10 ... 95 %
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	2.2 ... 3.2 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		2.7 A	
operating power at AC-3			
• at 400 V rated value		1 100 W	
Control circuit/ Control			
type of voltage of the control supply voltage		DC	
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	
Protective and monitoring functions			
trip class		CLASS 10	
design of the overload release		thermal (bimetallic)	
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
• at 480 V rated value		3.2 A	
yielded mechanical performance [hp]			
• for 3-phase AC motor			
— at 200/208 V rated value		0.5 hp	
— at 220/230 V rated value		0.75 hp	
— at 460/480 V rated value		1.5 hp	
— at 575/600 V rated value		2 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		150 000 A	
Installation/ mounting/ dimensions			
mounting position		vertical	
fastening method		for snapping onto 60 mm busbar systems	
height		260 mm	
width		45 mm	
depth		155 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 %	
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	Declaration of Conformity

	locations	
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[Miscellaneous](#)



Test Certificates	Marine / Shipping
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Railway
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[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=3RA2110-1DH15-1BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1DH15-1BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1DH15-1BB4>

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

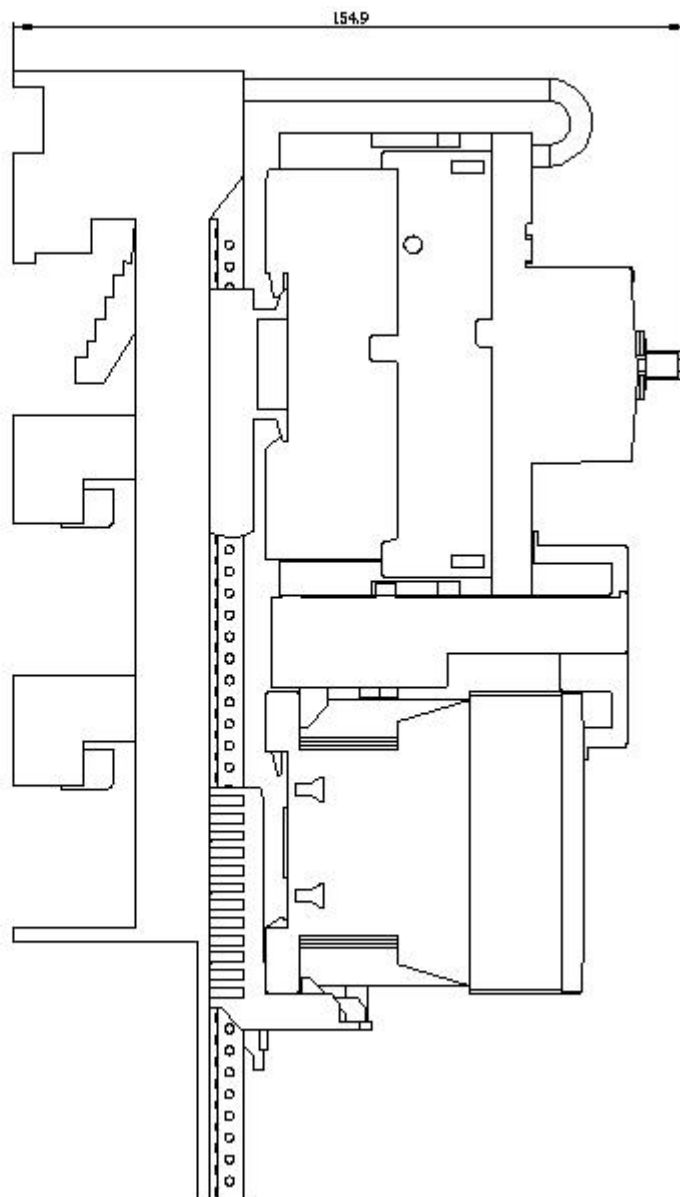
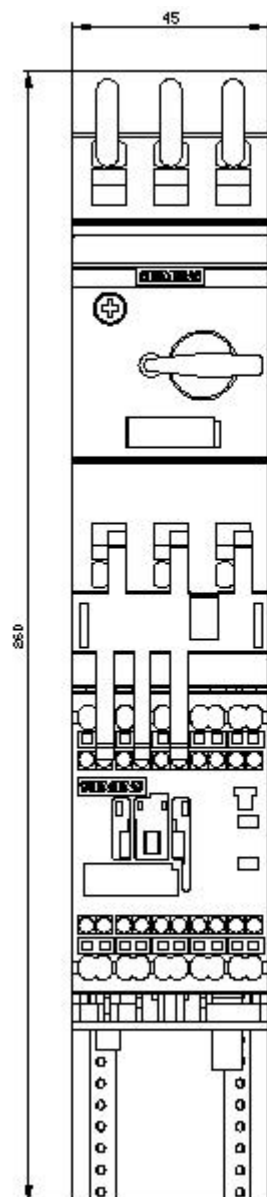
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1DH15-1BB4&lang=en

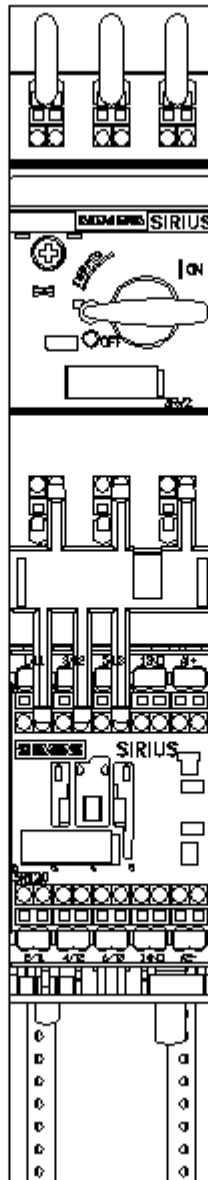
Characteristic: Tripping characteristics, I²t, Let-through current

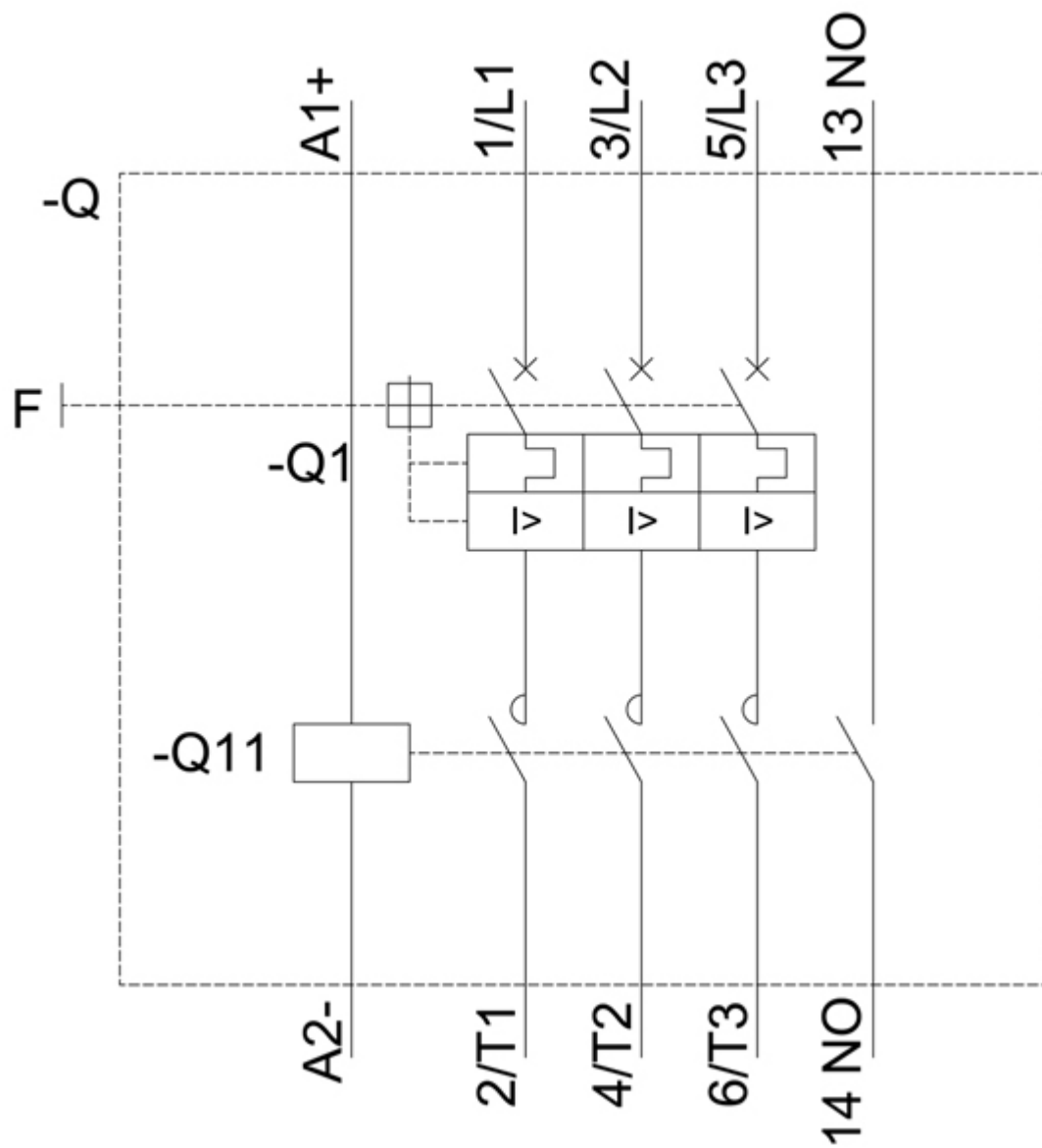
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1DH15-1BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1DH15-1BB4&objecttype=14&gridview=view1>







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12/15/2020