Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.18...0.25 A 230 V AC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (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 	3RT2015-1AP01
 of the supplied circuit-breakers 	3RV2011-0CA10
 of the supplied link module 	3RA1921-1DA00

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
Protection class IP	
• on the front	IP20
of the terminal	IP20
Shock resistance	
• acc. to IEC 60068-2-27	6g / 11 ms

Mechanical service life (switching cycles)	
, , ,	30 000 000
of contactor typical Type of assignment	2
Type of assignment Type of protection according to ATEX directive	Ex II (2) GD
2014/34/EU	EX II (2) GD
Certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Ambient conditions	
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 pick-up value current of the current- dependent overload release	0.18 0.25 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	0.2 A
Operating power	
• at AC-3	
— at 400 V rated value	60 W
Control circuit/ Control	
Type of voltage of the control supply voltage	AC
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	0.25 A
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
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail
Height	167 mm
Width	45 mm
Depth	97 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 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 %

Certificates/ approvals

General Product Approval

For use in hazardous loca-

Declaration of Conformity









tions



Miscellaneous

Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping

other

Railway







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=3RA2110-0CA15-1AP0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0CA15-1AP0

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

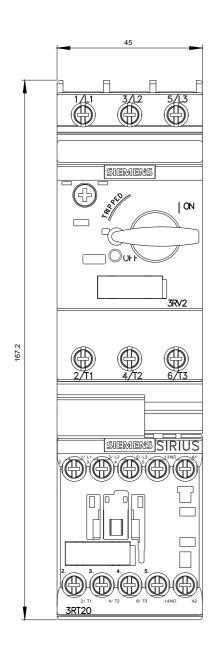
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0CA15-1AP0

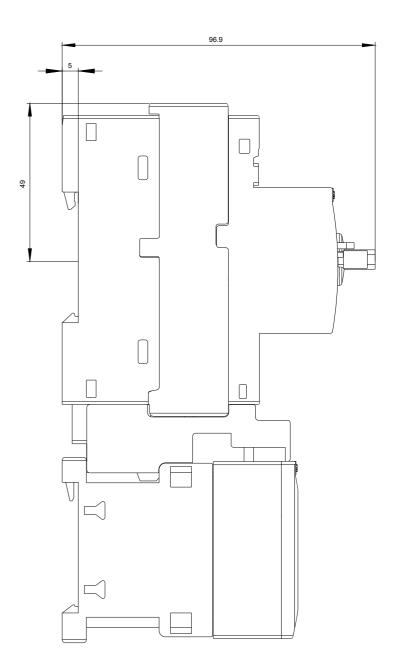
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0CA15-1AP0&lang=en

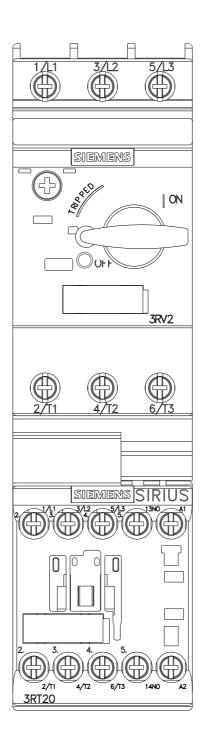
Characteristic: Tripping characteristics, I2t, Let-through current

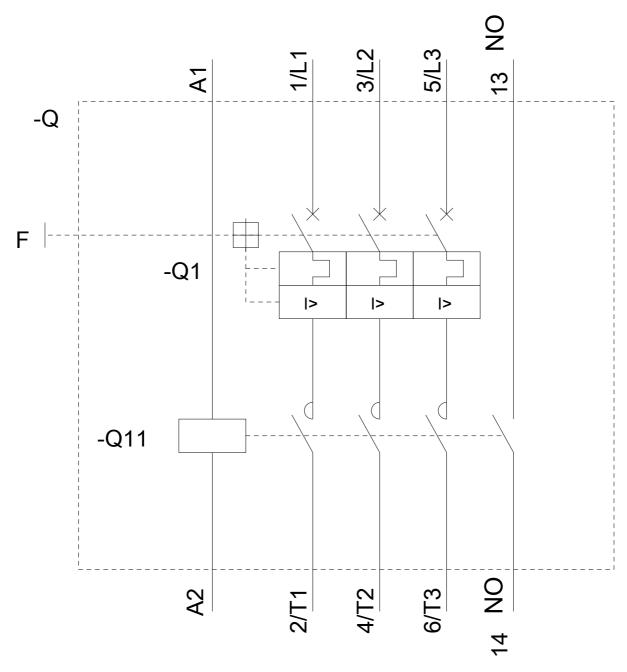
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0CA15-1AP0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0CA15-1AP0&objecttype=14&gridview=view1









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