SIEMENS

Data sheet

3RA2110-0FD15-1AP6



Fuseless motor starter Direct start 600VAC Size S00 0.35-0.5A 220/240VAC 50/60HZ screw connection For snapping onto 60 mm busbar systems Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO (contactor)

product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	direct starter
manufacturer's article number	
 of the supplied contactor 	3RT2015-1AP61
 of the supplied circuit-breakers 	3RV2011-0FA10
 of the supplied busbar adapter 	8US1251-5DS10
 of the supplied link module 	3RA1921-1DA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
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
Ambient conditions	
 ambient temperature during operation 	-20 +60 °C
 ambient temperature during storage 	-50 +80 °C
 ambient temperature during transport 	-55 +80 °C
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	0.35 0.5 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	0.4 A
operating power at AC-3	
 at 400 V rated value 	120 W
 at 500 V rated value 	180 W
at 690 V rated value	250 W
Control circuit/ Control	

control supply voltage at AC • at 60 Hz rated value • at 600 Hz ra		_
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- downwards • for live parts - forwards - backwards - upwards - downwards - downwards - at the side Connections/ Terminals type of electrical connection for main current circuit type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 Certificates/ approvals For use in Declaration of Conformity	— upwards	20 mm
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- forwards 0 mm - backwards 20 mm - downwards 10 mm - at the side 9 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals type of connectable conductor cross-sections • for main contacts stranded 0.5 4 mm², 2x (0.75 2.5 mm²) • at AWG cables for main contacts 2x (20 16), only for contactor 2x (18 14), 2x 12 • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 1000 000 proportion of dangerous failures with high demand rate acc. to SN 31920 73 % protection class IP on the front acc. to IEC 60529 IP20 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals For use in Packaration of Conformity	— downwards	10 mm
— backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 For use in Declaration of Conformity Peclaration of Conformity Peclaration of Conformity	 for live parts 	
- upwards - downwards - at the side Connections/ Terminals type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 For use in Declaration of Conformity Peclaration of Conformity	— forwards	0 mm
downwards at the side Connections/ Terminals type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 For use in Declaration of Conformity Paragraph of Conformity Paragraph of Conformity	— backwards	0 mm
- at the side Connections/ Terminals type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 For use in Poclaration of Conformity	— upwards	20 mm
type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 For use in Declaration of Conformity	— downwards	10 mm
type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals For use in Screw-type terminals 0.5 4 mm², 2x (0.75 2.5 mm²) 2x (20 16), only for contactor 2x (18 14), 2x 12 0.5 2.5 mm² 1 000 000 73 % acc. to SN 31920 protection class IP on the front acc. to IEC 60529 finger-safe, for vertical contact from the front Centeral Product Approval	— at the side	9 mm
type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts • connectable conductor cross-section for main contacts finely stranded with core end processing Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures with high demand rate acc. to SN 31920 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 touch provals For use in Declaration of Conformity	Connections/ Terminals	
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touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals For use in Declaration of Conformity	acc. to SN 31920	
Certificates/ approvals For use in Declaration of Conformity	•	
General Product Approval For use in Declaration of Conformity		finger-safe, for vertical contact from the front
General Product Approval	Certificates/ approvals	
	General Product Approval	Declaration of Contormity









Miscellaneous



Test Certificates

Marine / Shipping

Type Test
Certificates/Test
Report

Special Test Certificate









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=3RA2110-0FD15-1AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0FD15-1AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0FD15-1AP6

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

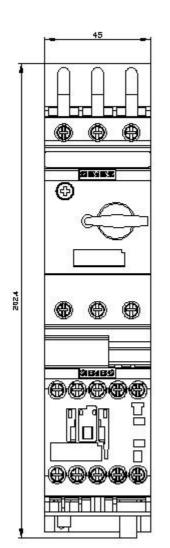
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0FD15-1AP6&lang=en

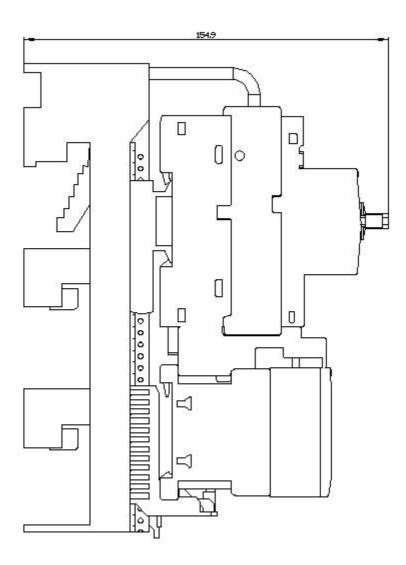
Characteristic: Tripping characteristics, I2t, Let-through current

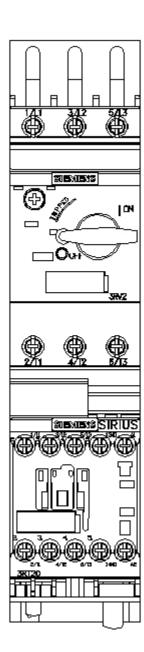
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0FD15-1AP6/char

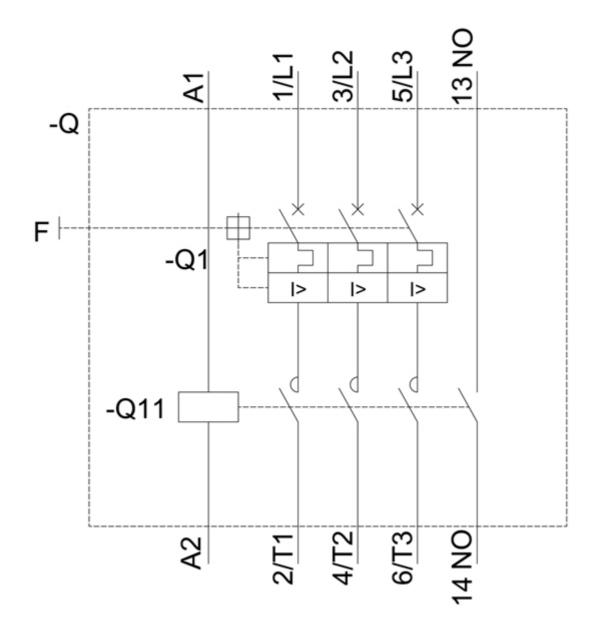
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0FD15-1AP6&objecttype=14&gridview=view1









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