Data sheet

3RA2110-0CA15-1AP0



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 designation Direct (on-line) starter design of the product type designation 3RA21 manufacturer's article number • of the supplied contactor • of the supplied contactor • of the supplied contactor • of the supplied clinch module General technical data size of the circuit-breaker size of load feeder size of load feeder sou insulation voltage with degree of pollution 3 at AC rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment type of assignment type of assignment 2 type of protection AEX directive 2014/34/EU Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during operation • during storage • during operation • during storage • during transport temperature compensation relative humidity during cortact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value • at AC-3 rated value • at AC-3 rated value • for Su-160 vC • good voltage • rated value • at AC-3 rated value • at AC-3 rated value • at AC-3 rated value • for VC • Genote • Genote	product brand name	SIRIUS
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design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum electromechanical 0.18 0.25 A 0.8 0.25 A 690 V	Main circuit	
adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 0.18 0.25 A 690 V	number of poles for main current circuit	3
current-dependent overload release operating voltage • rated value 690 V • at AC-3 rated value maximum 690 V	design of the switching contact	electromechanical
 rated value at AC-3 rated value maximum 690 V 690 V 	•	0.18 0.25 A
• at AC-3 rated value maximum 690 V	operating voltage	
	• rated value	690 V
operating frequency rated value 50 60 Hz	• 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	0.2 A
operating power at AC-3	20.14
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 50 Hz rated value 	230 230 V
 at 60 Hz rated value 	230 V
at 60 Hz rated value	230 230 V
apparent holding power of magnet coil at AC	4.2 VA
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	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 according to IEC 60947-4-1 rated value	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	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
— unwards	50 mm
— upwards	
— at the side	20 mm
— at the side— downwards	
— at the side— downwards• for live parts	20 mm 10 mm
— at the side— downwards• for live parts— forwards	20 mm 10 mm 20 mm
 at the side downwards for live parts forwards backwards 	20 mm 10 mm 20 mm 0 mm
 — at the side — downwards ● for live parts — forwards — backwards — upwards 	20 mm 10 mm 20 mm 0 mm 50 mm
 — at the side — downwards ● for live parts — forwards — backwards — upwards — downwards 	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm
 at the side downwards for live parts forwards backwards upwards downwards at the side 	20 mm 10 mm 20 mm 0 mm 50 mm
 — at the side — downwards ● for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm
 — at the side — downwards ● for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm
 — at the side — downwards ● for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection ● for main current circuit 	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm
 at the side downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit 	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm
 at the side downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit Safety related data	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm screw-type terminals screw-type terminals
 at the side downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm
 at the side downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures 	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm screw-type terminals screw-type terminals
 at the side downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm screw-type terminals screw-type terminals
— at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to IEC 60529	20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm screw-type terminals screw-type terminals
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— at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 Communication/ Protocol protocol is supported • PROFINET IO protocol	20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 20 mm screw-type terminals screw-type terminals 1 000 000 73 % finger-safe, for vertical contact from the front
— at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol	20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 20 mm screw-type terminals screw-type terminals 1 000 000 73 % finger-safe, for vertical contact from the front No No
— at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with high demand rate according to SN 31920 touch protection on the front according to IEC 60529 Communication/ Protocol protocol is supported • PROFINET IO protocol	20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 20 mm screw-type terminals screw-type terminals 1 000 000 73 % finger-safe, for vertical contact from the front

For use in hazardous locations Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certific- Ty ate at

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, ...)

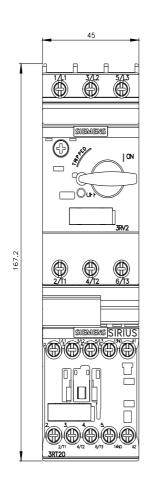
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0CA15-1AP0&lang=en

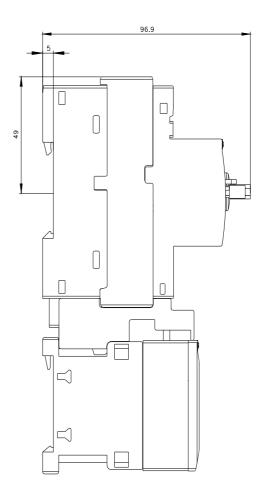
Characteristic: Tripping characteristics, I2t, Let-through current

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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