Data sheet

3RA2110-1BE15-1AP0



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 1.40...2.00 A 230 V AC Spring-type terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor)

size of the circuit-breaker size of load feeder so0 power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical surge voltage resistance rated value degree of pollution 3 at AC rated value degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 five for forection according to IEC 60068-2-27 gree of protection according to IEC 60068-2-27 gree of protection according to ATEX directive 2014/34/EU type of assignment curtificate of suitability according to ATEX directive 2014/34/EU substance Prohibitance (Date) Substance Prohibitance (Date) SUHC substance name Biei - 7439-92-1 whibient conditions ambient temperature during operation - 20 +60 °C during storage during transport - 50 +80 °C relative humidity during operation 10 95 %	product brand name	SIRIUS			
product type designation manufacturor's article number • of the supplied circuit-breakers size of the circuit-breaker size of the supplied circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the supplied circuit-breaker size of the circuit-breaker size of the supplied circuit-brea	product designation				
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of the supplied contactor of the supplied link module	product type designation				
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• of the supplied link module Size of the circuit-breaker size of load feeder \$00 power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-7 special service life (operating cycles) of contactor typical type of assignment type of protection according to ATEX directive 2014/34/EU substance Prohibitance (Date) Surge voltage resistance (Date) **Total Conditions** *	of the supplied contactor	3RT2015-2AP01			
size of the circuit-breaker S00 size of the circuit-breaker S00 power loss [W] for rated value of the current	of the supplied circuit-breakers	3RV2011-1BA20			
size of the circuit-breaker size of load feeder power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical 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 (operating cycles) of contactor typical certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to IEC 81346-2:2019 Substance Prohibitance (Date) **Touring tampsport** • during operation • during storage • during tampsport • during storage • during transport • temperature compensation relative humidity during operation • during transport • deal or cutter **Touring transport • deal or cutter • temperature compensation • during transport • deal or cutter • deal or cut	of the supplied link module				
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power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical issulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 690 V surge voltage resistance rated value 680 V degree of protection NEMA rating 686 / 11 ms mechanical service life (operating cycles) of contactor typical 78	size of the circuit-breaker	S00			
• at AC in hot operating state per pole • without load current share typical • without load current share typical • without load current share typical 4.2 W insulation voltage with degree of pollution 3 at AC rated value 68VV degree of protection NEMA rating shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical stype 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 preference code according to IEC 81346-2:2019 QSubstance Prohibitance (Date) 10/01/2009 SVHC substance name Biel - 7439-92-1 **Mobient conditions** **Mobient conditions** **ambient temperature • during operation • during storage • during transport **eduring ransport **etalitive humidity during operation **auting correction **mobient compensation **relative humidity during operation **auting correction **mobient correction according operation **auting correction according to IEC 81346-2:2019 **auting correction according to IEC 81346-2:2019 **auting storage • during storage • during transport **temperature compensation **auting operation • 20 +60 °C **constant according to IEC 800 °C **auting correction according to IEC 800 °C **auting storage • during during operation **auting transport **temperature compensation **auting transport **temperature compensation **auting transport **temperature compensation **auting transport **temperature reorgense according to IEC 800 °C **auting transport **temperature compensation **au	size of load feeder	S00			
without load current share typical 4.2 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating 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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Biel - 7439-92-1 white conditions -20 +60 °C during storage -50 +80 °C during storage -50 +80 °C during transport -20 +60 °C relative humidity during operation -20 +60 °C relative humidity during operation -20 +60 °C relative humidity during operation -20 +60 °C relative ruming ruming operation -20 +60 °C relative ruming ruming ruming ruming	power loss [W] for rated value of the current				
insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical stype of assignment 2 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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Biei - 7439-92-1 VINDIENT CONDITIONS ambient temperature during operation -20 +60 °C during storage -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Alin circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage - rated value e rated value 690 V	 at AC in hot operating state per pole 	2.6 W			
surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 shock resistance according to IEC 60068-2-20 shock resistance 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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 Vinibient conditions ambient temperature during operation -20 +60 °C during storage -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Asin circuit number of poles for main current circuit design of the switching contact dependent overload release operating voltage - rated value 6 80 V	 without load current share typical 	4.2 W			
degree of protection NEMA rating shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 **Mobient conditions** ambient temperature during operation during operation during storage during transport -50 +80 °C -60 uring transport -20 +60 °C relative humidity during operation 10 95 % **Jain circuit** number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage e rated value 690 V	insulation voltage with degree of pollution 3 at AC rated value	690 V			
shock resistance according to IEC 60068-2-27 mechanical service life (operating 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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 Authority Conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Alain circuit number of poles for main current circuit 3 design of the switching contact delease operating voltage • rated value 690 V	surge voltage resistance rated value	6 kV			
mechanical service life (operating cycles) of contactor typical 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 PMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Biei - 7439-92-1 **Mobient conditions** ambient temperature	degree of protection NEMA rating	other			
type of assignment type of protection according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Authority Conditions ambient temperature during operation during storage during storage during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation -20 +60 °C relative h	shock resistance according to IEC 60068-2-27	6g / 11 ms			
type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 Ambient conditions ambient temperature	mechanical service life (operating cycles) of contactor typical	30 000 000			
certificate of suitability according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation relative humidity during operation **Description** **D	type of assignment	2			
reference code according to IEC 81346-2:2019 Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Mibient conditions ambient temperature • during operation • during storage • during transport temperature compensation -20 +60 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Alain circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD			
Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Ambient conditions ambient temperature • during operation • during storage • during transport • during transport -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % //ain circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value 10/01/2009 Blei - 7439-92-1 8	certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001			
SVHC substance name Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation -20 +60 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % //ain circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value Blei - 7439-92-1 Asin -	reference code according to IEC 81346-2:2019	Q			
ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % //ain circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V	Substance Prohibitance (Date)	10/01/2009			
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 during storage 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 design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage rated value 690 V 690 V 	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 design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage ● rated value -50 +80 °C -20 +60 °	 during operation 	-20 +60 °C			
temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value - rated value	during storage	-50 +80 °C			
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value 10 95 % 11 2 A 12 2 A 690 V	during transport	-50 +80 °C			
Nain circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value operating voltage • rated value operating voltage • rated value operating voltage	temperature compensation	-20 +60 °C			
number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value operating voltage • rated value operating voltage • rated value 3 electromechanical 1.4 2 A 690 V	relative humidity during operation	10 95 %			
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value electromechanical 1.4 2 A 690 V	Main circuit				
adjustable current response value current of the current- dependent overload release operating voltage • rated value 1.4 2 A 690 V	number of poles for main current circuit	3			
dependent overload release operating voltage • rated value 690 V	design of the switching contact	electromechanical			
• rated value 690 V		1.4 2 A			
	operating voltage				
• at AC-3 rated value maximum 690 V	rated value	690 V			
	 at AC-3 rated value maximum 	690 V			

1400	000.1/			
at AC-3e rated value maximum	690 V			
operating frequency rated value	50 60 Hz			
operational current				
 at AC-3 at 400 V rated value 	2 A			
at AC-3e at 400 V rated value	2 A			
operating power				
• at AC-3				
— at 400 V rated value	750 W			
• at AC-3e				
— at 400 V rated value	750 kW			
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			
• at 50 Hz	4.2 VA			
• at 60 Hz	3.3 VA			
inductive power factor with the holding power of the coil	0.25			
• at 50 Hz	0.25			
• at 60 Hz	0.25			
Auxiliary circuit				
product extension auxiliary switch	Yes			
Protective and monitoring functions				
trip class	CLASS 10			
design of the overload release	thermal (bimetallic)			
response value current of instantaneous short-circuit trip unit	26 A			
UL/CSA ratings	20 A			
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	0.4			
	2 A			
at 600 V rated value	2 A			
yielded mechanical performance [hp]				
• for single-phase AC motor	0.40 hr			
— at 230 V rated value	0.16 hp			
• for 3-phase AC motor				
— at 220/230 V rated value	0.5 hp			
— at 460/480 V rated value	1 hp			
— at 575/600 V rated value	1.5 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 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 DIN rail			
height	198 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	20 mm 10 mm			

— backwards	0 mm						
— upwards							
•	50 mm						
— downwards	10 mm						
— at the side	20 mm						
Connections/ Terminals	Connections/ Terminals						
type of electrical connection							
for main current circuit	spring-loaded terminals						
 for auxiliary and control circuit 	spring-loaded terminals						
Safety related data							
B10 value with high demand rate according to SN 31920	1 000 000						
proportion of dangerous failures							
 with high demand rate according to SN 31920 	73 %						
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front						
Communication/ Protocol							
protocol is supported							
 PROFINET IO protocol 	No						
PROFIsafe protocol	No						
protocol is supported AS-Interface protocol	No						
Certificates/ approvals							
General Product Approval		For use in hazard- ous locations	Declaration of Conformity				

Confirmation











Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping

other Railway







Confirmation

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RA2110-1BE15-1AP0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2110-1BE15-1AP0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1BE15-1AP0

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

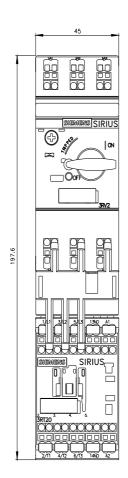
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1BE15-1AP0&lang=en

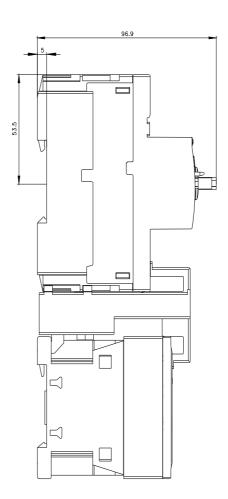
Characteristic: Tripping characteristics, I2t, Let-through current

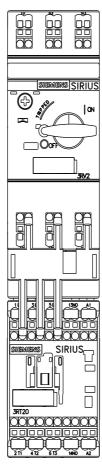
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1BE15-1AP0/char

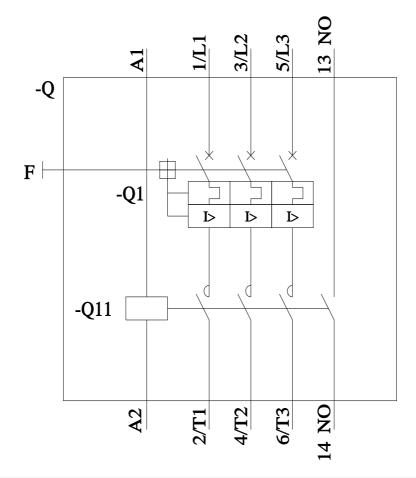
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1BE15-1AP0&objecttype=14&gridview=view1









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