SIEMENS

Data sheet

3RA2110-0JE15-1AP0



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.70...1.00 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)

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 	3RT2015-2AP01		
 of the supplied circuit-breakers 	3RV2011-0JA20		
 of the supplied link module 	3RA2911-2AA00		
General technical data			
size of the circuit-breaker	S00		
size of load feeder	S00		
power loss [W] for rated value of the current			
 at AC in hot operating state per pole 	2.6 W		
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		
Ambient conditions			
ambient temperature			
 during operation 	-20 +60 °C		
during storage	-50 +80 °C		
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	0.7 1 A		
operating voltage			
• rated value	690 V		
 at AC-3 rated value maximum 	690 V		
 at AC-3e rated value maximum 	690 V		

operating frequency rated value	50 60 Hz		
operating frequency rated value	50 60 Hz		
operational current • at AC-3 at 400 V rated value	1 A		
at AC-3 at 400 V rated value at AC-3e at 400 V rated value	1.4		
operating power			
• at AC-3			
— at 400 V rated value	250 W		
• at AC-3e	200 11		
— at 400 V rated value	250 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	13 A		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
• at 480 V rated value	1 A		
at 600 V rated value	1 A		
yielded mechanical performance [hp]			
• for 3-phase AC motor			
— at 460/480 V rated value	0.5 hp		
— at 575/600 V rated value	0.5 hp		
Short-circuit protection	V		
product function short circuit protection	Yes		
design of the short-circuit trip	magnetic		
conditional short-circuit current (Iq)	450,000 A		
at 400 V according to IEC 60947-4-1 rated value	150 000 A		
Installation/ mounting/ dimensions	vertical		
mounting position	vertical		
fastening method	screw and snap-on mounting onto 35 mm DIN rail		
height width	198 mm 45 mm		
depth	97 mm		
required spacing	V/ 111111		
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 	sprin	spring-loaded terminals				
 for auxiliary and control circuit 	sprin	spring-loaded terminals				
Safety related data						
B10 value with high demand rate according to SN 31920	1 000	1 000 000				
proportion of dangerous failures						
 with high demand rate according to SN 31920 	73 %	73 %				
touch protection on the front according to IEC 60529	finge	finger-safe, for vertical contact from the front				
Communication/ Protocol						
protocol is supported						
 PROFINET IO protocol 	No	No				
PROFIsafe protocol	No	No				
protocol is supported AS-Interface protocol	No	No				
Certificates/ approvals						
General Product Approval		For use in hazard-	Declaration of Conformity			

Confirmation







ous locations





Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>









Marine / Shipping





Confirmation

other

Vibration and Shock

Railway

Further information

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

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=3RA2110-0JE15-1AP0

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2110-0JE15-1AP0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0JE15-1AP0

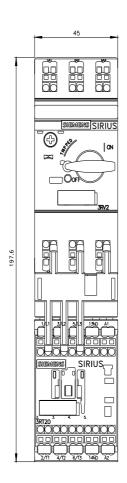
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

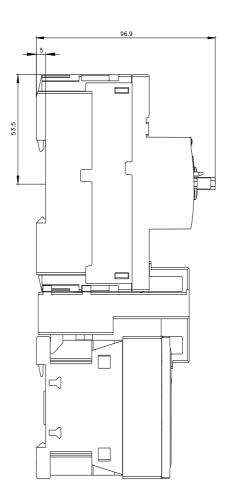
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0JE15-1AP0&lang=en

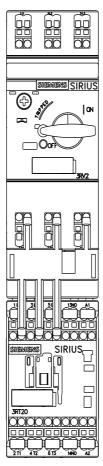
Characteristic: Tripping characteristics, I2t, Let-through current

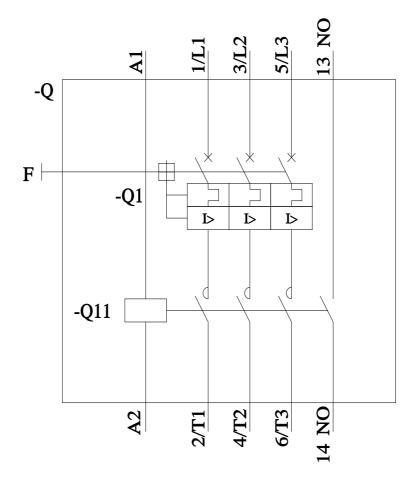
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0JE15-1AP0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0JE15-1AP0&objecttype=14&gridview=view1









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