SIEMENS

Data sheet

3RA2110-0KD15-1FB4

	Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.901.25 A 24 V DC screw terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor) with diode (integrated)
product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for 60 mm busbars
product type designation	3RA21
manufacturer's article number	
 of the supplied contactor 	3RT2015-1FB41
 of the supplied circuit-breakers 	3RV2011-0KA10
 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
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 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
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	0.9 1.25 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
operational current	
• at AC-3 at 400 V rated value	1.25 A
• at AC-3e at 400 V rated value	1.25 A
operating power	
• at AC-3	
— at 400 V rated value	370 W
• at AC-3e	
— at 400 V rated value	370 kW
Control circuit/ Control	

Spee of voltage of the Control supply voltage at DC - rated value - rat		DO.
* reted value* * reted value* * reted value* * reted value* * reted value* Atturning variount Product extension auxiliary switch Yes Product extension auxiliary switch Yes CLASS 10 design of the overload release response value current of instantaneous short-creat trip unit ULCSA ratings ULCSA ratings ULCSA ratings ULCSA ratings VILCSA ratings VI	type of voltage of the control supply voltage	DC
* cited value 24, 24 V **Notifier power of magnet coil at DC 4 y V **Notifier power of magnet coil at DC 4 y V **Notifier power of magnet coil at DC 4 y V **Protective and monitoring functions **Protective functions **Protec		
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trip class design of the overload release response value current of Instantaneous short-circuit trip unit ULICSA ratings full-load current (FLA) for 3-phase AC motor * at 480 V rated value * at 800 V rated value * at 800 V rated value * at 8		Yes
design of the overload release response value current of instantaneous short-circuit trip unit UCGSA yrings full-load current (FLA) for 3-phase AC motor at 800 V rated value 1.25 A 2.25	·	
response value current of instantaneous short-circuit trip unit UCIGA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value — at 575000 V rated value — over the value o	<u> </u>	
full-load current (FLA) for 3-phase AC motor • at 4800 V rated value • 1 25 A • of 500 V rated value • for 3-phase AC motor — at 46040 V rated value • of 73-phase AC motor — at 46040 V rated value • of 75-ph — at 46040 V rated value • of 75-ph — at 46040 V rated value • of 75-ph — at 46040 V rated value • of 75-ph — at 46040 V rated value • of 75-ph — required specification protection Ves design of the short-circuit trip conditional short-circuit trip conditional short-circuit current (fly) • at 400 V according to IEC 608474-1 rated value 150 0000 A Installation mounting dimensions mounting position fastening method for snapping onto 60 mm busbar systems height 20 mm width 45 mm depth 155 mm required spacing • for grounded parts — forwards — upwards — backwards — upwards — outwards • for live parts — forwards • for live parts — forwards — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards • for live parts — forwards — outwards • for live parts — forwards — upwards • for manufactional recording to SN 31920 — upwards — upwards — outwards — out		
full-oad current (FLA) for 3-phase AC motor • at 460 V rated value • at 660 V rated value • 1.25 A • at 600 V rated value • 1.25 A • of 100 Phase AC motor — at 460/480 V rated value — at 575(900 V rated value — at 575(900 V rated value — at 575(900 V rated value — at 675(900 V rated value — at 675(900 V rated value — of 3-phase AC motor Product function short circuit protection ground function short circuit protection yes design of the short-circuit trip magnetic conditional short-circuit current (q) • at 400 V according to IEC 60047-4-1 rated value of 150 000 A Installation mounting dimensions mounting position fastening method for snapping onto 60 mm busbar systems height — 203 mm width — 45 mm depth — 155 mm required spacing • for grounded parts — forwards — backwards — onm — upwards — backwards — onm — upwards — of live parts — forwards — downwards — onm — of live parts — forwards — downwards — onm — of live parts — forwards — downwards — onm — of live parts — forwards — downwards — onm — of main current circuit — of protection on the front according to SN 31920 To the PROFINET IC protecol — with high demand rate according to SN 31920 To see the protecol — on PROFINET IC protecol — on PROFINET in pr		16 A
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• for 3-phase AC motor — at 460480 V rated value — at 57800 V rated value — at 600 AC second to IEC 60047-4-1 rated value is at 600 V according to IEC 60047-4-1 rated value		1.25 A
- at 460480 V rated value		
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Test Certificates

Marine / Shipping

Special Test Certific-

Type Test Certificates/Test Report









Marine / Shipping

other Railway **Dangerous Good**







Confirmation

Vibration and Shock

Transport Information

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=3RA2110-0KD15-1FB4

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2110-0KD15-1FB4}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0KD15-1FB4

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0KD15-1FB4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0KD15-1FB4/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0KD15-1FB4&objecttype=14&gridview=view1

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