SIEMENS

Data sheet

3RA2110-0FA15-1AP0



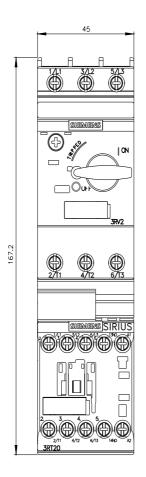
Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.35...0.50 A 230 V AC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor)

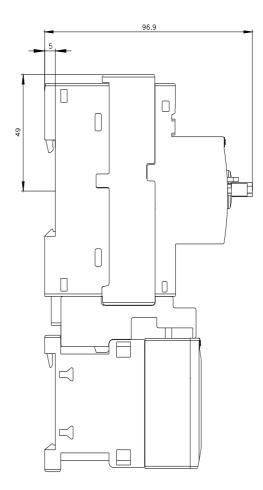
product brand name	SIRIUS	
product designation	Direct (on-line) starter	
design of the product	for standard rail or screw mounting	
product type designation	3RA21	
manufacturer's article number		
 of the supplied contactor 	<u>3RT2015-1AP01</u>	
 of the supplied circuit-breakers 	<u>3RV2011-0FA10</u>	
 of the supplied link module 	<u>3RA1921-1DA00</u>	
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 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	0.35 0.5 A	
operating voltage		
rated value	690 V	
• at AC-3 rated value maximum	690 V	
 at AC-3e rated value maximum 	690 V	

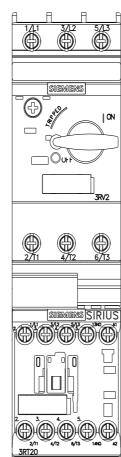
operational current 0.0 0.102 extract add V inder value 0.5.4 extract add V inder value 2.5.20 V extract add V inder value 2.50 V extract add V inder value 2.50 V extract value 2.50 V extract value 2.50 V extract value 0.5.4 extrad value 0.5.4 <t< th=""><th></th><th>50 0011-</th></t<>		50 0011-		
• AI-AC-3 at 400 Y rated value 05 A operating power 05 A • at AC-3 - • at AC-3 - • at AC-3 120 W • at AC-3 200 V • at AC-4	operating frequency rated value	50 60 Hz		
	-			
operating power • al AC-3 - al 400 V rade value 128 VV • al AC-3 - al 400 V rade value - al 400 V rade value 128 VV - al 50 Fiz inde value 230 V - al 50 Fiz inde value 230 V - al 60 Fiz inde value 231 VA - al 60 Fiz inde value 235 - al 60 Fiz inde value 235 - al 60 Fiz inde value 236 - al 60 Fiz inde value 54 VLCAS antiget CLASS 10 Indectres porevalea freize order order freize ordera freize order ord				
 art AC-3 art AC-3e art AC-3e art AC-3e art AC-3e art AC-3e art AC-3e art AC-3e		0.5 A		
• al AG-3e 12 kW Control supply voltage AC control supply voltage at AC 20 V • al 50 lFz ruled value 20 V • al 50 lFz ruled value 20 V • al 50 lFz ruled value 20 U • al 50 lFz 33 VA Inductive power factor with the holding power of the coll 0.25 • al 50 lFz 0.25 • al 50 lFz 0.25 A • al 50 lFz 0.5 A • al 50 lFz 0.5 A • al 50 oFz 0.5 A <td>• at AC-3</td> <td></td>	• at AC-3			
→ al 400 V rates value 120 kW Control stupply voltage of the control supply voltage AC Control supply voltage at AC 230 V → al 50 kr. rated value 230 V → al 60 kr. 220 V → al 60 kr. 220 V → al 60 kr. 220 V → al 60 kr. 0.25 Auxilary circuit Yes Product schemotal release bermal (binetallic) resonase value current on instantanceus shot-circuit trout 0.5 A → al 600 V rated value 0.5 A → al 600 V rated value 0.5 A → al 600 V rated value 0.5 A <td>— at 400 V rated value</td> <td>120 W</td>	— at 400 V rated value	120 W		
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control supply voltage # AC 280 V • at 50 Hz relativation 280 V • at 50 Hz relativation 280 V • at 60 Hz 0.25 • at 60 Hz 0.5 A * The class CLASS 10 • for class CLASS 10 • at 80 V rated value 0.5 A • at 800 Vrated value 0.5 A Short-circuit protection Yes	Control circuit/ Control			
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• al 60 Hz 0.25 Auxilary circuit Yes Product extension auxillary switch Yes Product and monitoring functions Extension auxillary switch Trip class CLASS 10 design of the overload release Ithermal (binetalic) response value current of instantaneous short-circuit trip unit 6.5 A ULCSA ratings ULCSA ratings Full-load current (FLA) for 3-phase AC motor 6.5 A • at 480 V rated value 0.5 A • at 600 V rated value 0.5 A • at 600 V rated value 0.5 A design of the short-circuit protection Yes design of the short-circuit current (Iq) magnetic • at 400 V according to IEC 60947.4-1 rated value 150 000 A Instalator/ mounting/ dimensions magnetic mounting position vertical festening method screw and snap-on mounting onto 35 mm DIN rail height 167 mm width 45 mm depth 97 mm required spacing 50 mm • for grounded parts 20 mm - forwards 20 mm				
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type of electrical connection screw-type terminals • for main current circuit screw-type terminals		20 mm		
for main current circuit screw-type terminals				
for auxiliary and control circuit screw-type terminals				
	 for auxiliary and control circuit 	screw-type terminals		

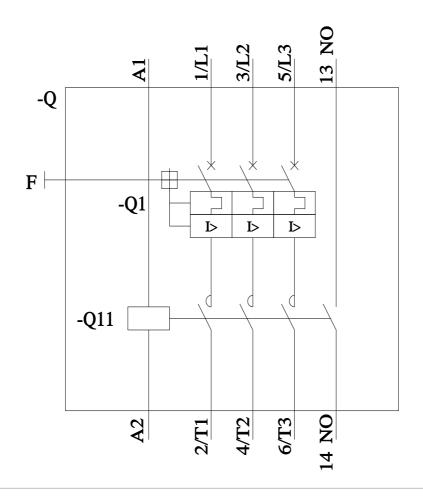
Safety related data				
B10 value with high demand rate according to SN 319	1 00	000 000		
proportion of dangerous failures				
 with high demand rate according to SN 31920 	73 %	73 %		
touch protection on the front according to IEC 605	529 finge	finger-safe, for vertical contact from the front		
Communication/ Protocol				
protocol is supported				
PROFINET IO protocol	No			
PROFIsafe protocol	No			
protocol is supported AS-Interface protocol	No			
Certificates/ approvals	110			
		For use in hazard-		
General Product Approval		ous locations	Declaration of Conform	ity
Confirmation	FAL	(Ex)	CE	UK
UL		ATEX	EG-Konf.	СН
Test Certificates Ma	arine / Shipping			
Special Test Certific- Type Test Certific-			Hourts	(Bas)
ate ates/Test Report			Register	
	ARS	1891	LRS	PRS
		VERITAS		
Marine / Shipping		other	Railway	
indinio / onipping		outor	hannay	
	DIVI-GL	<u>Confirmation</u>	Vibration and Shock	
Further information				
Siemens has decided to exit the Russian market (s	see here).			
https://press.siemens.com/global/en/pressrelease/sier		<u>ssian-business</u>		
Siemens is working on the renewal of the current				
Please contact your local Siemens office on the status EAC relevant market (other than the sanctioned EAEL			d to import or offer to supply	these products to ar
Information on the packaging				
https://support.industry.siemens.com/cs/ww/en/view/1	<u>09813875</u>			
Information- and Downloadcenter (Catalogs, Brock	hures,…)			
https://www.siemens.com/ic10 Industry Mall (Online ordering system)				
https://mall.industry.siemens.com/mall/en/en/Catalog/	product?mlfb=3RA2	2 <u>110-0FA15-1AP0</u>		
Cax online generator http://support.automation.siemens.com/WW/CAXorde	r/default.aspx?lang	en&mlfb=3RA2110-0FA1	5-1AP0	
Service&Support (Manuals, Certificates, Character				
https://support.industry.siemens.com/cs/ww/en/ps/3R/				
Image database (product images, 2D dimension du http://www.automation.siemens.com/bilddb/cax_de.as	px?mlfb=3RA2110-		s, EPLAN macros,)	
Characteristic: Tripping characteristics, I ² t, Let-thr https://support.industry.siemens.com/cs/ww/en/ps/3R/)/char		
Further characteristics (e.g. electrical endurance,	owitching froquen	ov/)		

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0FA15-1AP0&objecttype=14&gridview=view1









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