## SIEMENS

## Data sheet

## 3RA2110-1CH15-1AP0

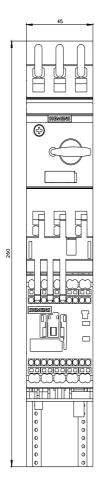


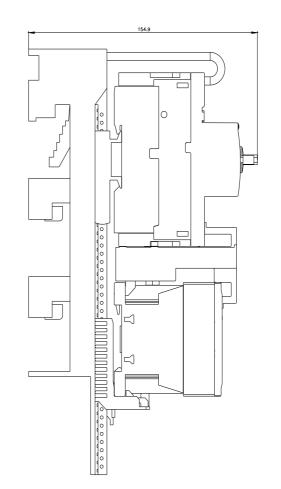
Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 1.80...2.50 A 230 V AC Spring-type terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor)

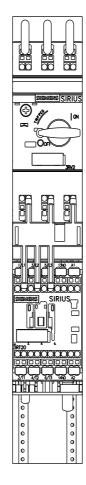
5-1				
product brand name	SIRIUS			
product designation	Direct (on-line) starter			
design of the product	for 60 mm busbars			
product type designation	3RA21			
manufacturer's article number				
<ul> <li>of the supplied contactor</li> </ul>	<u>3RT2015-2AP01</u>			
<ul> <li>of the supplied circuit-breakers</li> </ul>	<u>3RV2011-1CA20</u>			
<ul> <li>of the supplied busbar adapter</li> </ul>	8US1251-5DT11			
<ul> <li>of the supplied link module</li> </ul>	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				
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.6 W			
<ul> <li>without load current share typical</li> </ul>	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	1.8 2.5 A			
operating voltage				
rated value	690 V			
• at AC-3 rated value maximum	690 V			

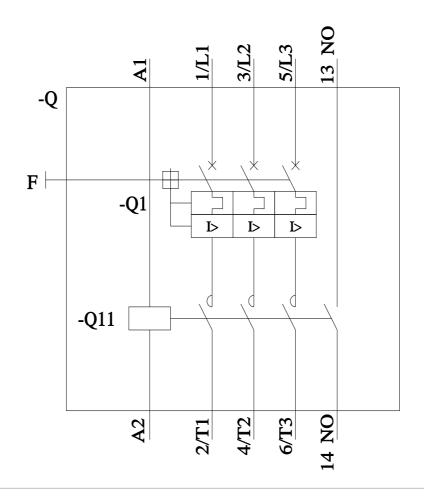
	200 M
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current	
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	2.5 A
at AC-3e at 400 V rated value	2.5 A
operating power	
• at AC-3	
— at 400 V rated value	750 W
• at AC-3e	
— at 400 V rated value	750 kW
Control 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
<ul> <li>at 60 Hz rated value</li> </ul>	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	33 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	2.5 A
<ul> <li>at 600 V rated value</li> </ul>	2.5 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.1 hp
— at 230 V rated value	0.25 hp
• for 3-phase AC motor	
— at 200/208 V rated value	0.5 hp
— at 220/230 V rated value	0.75 hp
— at 460/480 V rated value	1.5 hp
— at 575/600 V rated value	2 hp
	r
Short-circuit protection	
Short-circuit protection product function short circuit protection	Yes
product function short circuit protection	Yes
product function short circuit protection design of the short-circuit trip	Yes magnetic
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq)	magnetic
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value	
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	magnetic 150 000 A
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position	magnetic 150 000 A vertical
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (Iq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (Iq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (lq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (lq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing         • for grounded parts	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (Iq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (Iq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (Iq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm 50 mm
product function short circuit protection         design of the short-circuit trip         conditional short-circuit current (Iq)         • at 400 V according to IEC 60947-4-1 rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards	magnetic 150 000 A vertical for snapping onto 60 mm busbar systems 260 mm 45 mm 155 mm 20 mm 0 mm

• for live parts								
— forwards			20 mn	n				
- backwards			0 mm					
— upwards			50 mm					
- downwards			10 mm					
— at the side			20 mm					
<b>Connections/ Terminals</b>								
type of electrical conn	ection							
<ul> <li>for main current c</li> </ul>			spring-loaded terminals					
<ul> <li>for auxiliary and c</li> </ul>			spring-loaded terminals					
Safety related data			spring					
		1000	1.000					
	nand rate according to SN 3	31920	1 000 000					
proportion of dangero	us failures							
<ul> <li>with high demand</li> </ul>	I rate according to SN 3192	20	73 %					
touch protection on th	e front according to IEC 6	60529	finger	-safe, for vertical contact	from the front			
Communication/ Protoco	ol							
protocol is supported								
PROFINET IO pro	otocol		No					
<ul> <li>PROFIsafe protoc</li> </ul>			No					
protocol is supported AS			No					
Certificates/ approvals			110					
Certificates/ approvais			_					
General Product Appr	oval			For use in hazard- ous locations	Declaration of Conform	nity		
<u>Confirmation</u>		EHC		K ATEX	EG-Konf.	UK CA		
Test Certificates		Marine / Shippi	ing					
Type Test Certific-	Special Test Certific-	and the second		( VIII		SPA.		
ates/Test Report	ate	ABS		BUREAU	Lloyd's Register us	PRS		
Marine / Shipping				other	Railway			
Marine / Onipping				other	Ranway			
RINA	RMRS	DIVISION CONTRACTOR		<u>Confirmation</u>	Vibration and Shock			
Further information								
	to exit the Russian marke							
https://press.siemens.co	om/global/en/pressrelease/s	siemens-wind-do		ian-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								
	al Siemens office on the sta ther than the sanctioned EA				a to import or other to supply	y mese products to an		
Information on the pac								
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=3RA2110-1CH15-1AP0								
Cax online generator	<u></u>	- grproduot: milD-	<u> </u>					
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1CH15-1AP0								
	uals, Certificates, Charac							
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1CH15-1AP0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)								
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1CH15-1AP0⟨=en Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current								
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1CH15-1AP0/char								
Further characteristics (e.g. electrical endurance, switching frequency)								
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1CH15-1AP0&objecttype=14&gridview=view1								









last modified:

4/17/2023 🖸