## SIEMENS

## Data sheet

## 3RA2210-1BA15-2AP0

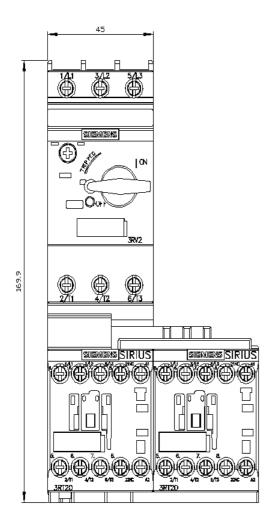


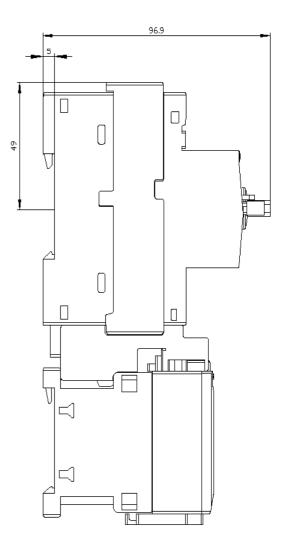
Load feeder fuseless, Reversing duty 400 V AC, Size S00 1.40...2.00 A 230 V AC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NC (contactor)

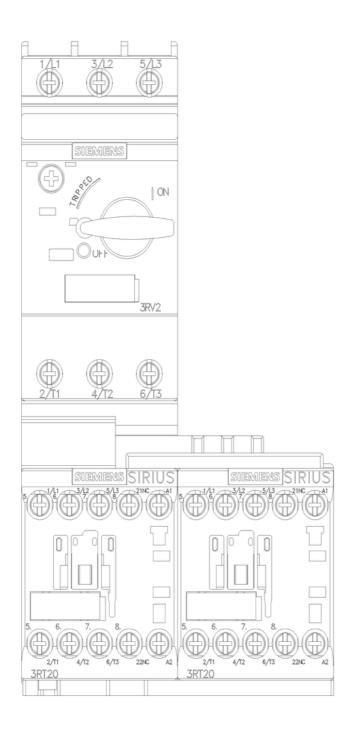
product brand name	SIRIUS	
product designation	Reversing starter	
design of the product	for standard rail or screw mounting	
product type designation	3RA22	
manufacturer's article number		
<ul> <li>of the supplied contactor</li> </ul>	<u>3RT2015-1AP02</u>	
<ul> <li>of the supplied circuit-breakers</li> </ul>	<u>3RV2011-1BA10</u>	
<ul> <li>of the supplied link module</li> </ul>	<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		
<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	
<ul> <li>during storage</li> </ul>	-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	1.4 2 A	
operating voltage		
rated value	690 V	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V	
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V	

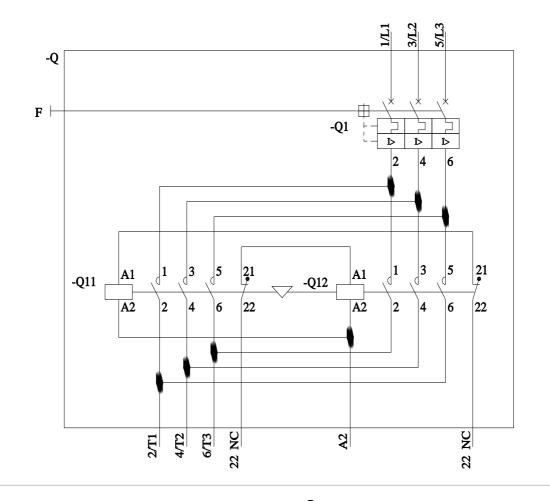
operating frequency rated value	50 60 Hz
operational current	
• at AC-3 at 400 V rated value	2 A
<ul> <li>at AC-3e at 400 V rated value</li> </ul>	2 A
operating power	
• at AC-3	
— at 400 V rated value	750 W
• at AC-3e	
— at 400 V rated value	750 kW
Control circuit/ Control	
type of voltage of the control 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	
full-load current (FLA) for 3-phase AC motor	
<ul> <li>at 480 V rated value</li> </ul>	2 A
• at 600 V rated value	2 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— 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	1.0 10
	Yes
product function short circuit protection	
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	450,000 A
<ul> <li>at 400 V according to IEC 60947-4-1 rated value</li> </ul>	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
	screw and snap-on mounting onto 35 mm DIN rail
mounting position	
mounting position fastening method	screw and snap-on mounting onto 35 mm DIN rail
mounting position fastening method height	screw and snap-on mounting onto 35 mm DIN rail 170 mm
mounting position fastening method height width	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm
mounting position fastening method height width depth	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm
mounting position fastening method height width depth required spacing	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm 32 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm 32 mm 0 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm 32 mm 0 mm 50 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm 32 mm 0 mm 50 mm 10 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm 32 mm 0 mm 50 mm 10 mm 10 mm
mounting position         fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards	screw and snap-on mounting onto 35 mm DIN rail 170 mm 90 mm 97 mm 32 mm 0 mm 50 mm 10 mm

— upwards	50 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
protocol is supported	
<ul> <li>PROFINET IO protocol</li> </ul>	No
PROFIsafe protocol	No
protocol is supported AS-Interface protocol	No
Certificates/ approvals	
General Product Approval	For use in hazard- Declaration of Conformity
	ous locations
Confirmation EA	$\begin{bmatrix} & \underbrace{\mathbb{E}_{X}}_{ATEX} & \underbrace{\mathbb{E}_{G-Konf.}} & \underbrace{\mathbb{U}_{K}}_{EG-Konf.} &$
Test Certificates Marine / Shi	ipping
Special Test Certific- ate         Type Test Certific- ates/Test Report           ABS	BUREAU VERITAS
Marine / Shipping	other Railway
	Confirmation Vibration and Shock
Further information Siemens has decided to exit the Russian market (see here).	
https://press.siemens.com/global/en/pressrelease/siemens-wind	
EAC relevant market (other than the sanctioned EAEU member Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875	y of the EAC certification if you intend to import or offer to supply these products to ar states Russia or Belarus).
Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10	
Intustry Mall (Online ordering system)	
https://mall.industry.siemens.com/mall/en/en/Catalog/product?m	<u>1lfb=3RA2210-1BA15-2AP0</u>
Cax online generator	
http://support.automation.siemens.com/WW/CAXorder/default.as Service&Support (Manuals, Certificates, Characteristics, FA	
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1BA	
Image database (product images, 2D dimension drawings, 3 http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3	3D models, device circuit diagrams, EPLAN macros,) 3RA2210-1BA15-2AP0⟨=en
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through curr https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1BA	
Further characteristics (e.g. electrical endurance, switching http://www.automation.siemens.com/bilddb/index.aspx?view=Se	<mark>j frequency)</mark> earch&mlfb=3RA2210-1BA15-2AP0&objecttype=14&gridview=view1









last modified:

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