SIEMENS

Data sheet

3RA2110-1HA15-1AP6



Fuseless motor starter Direct start 600VAC Size S00 5.5-8Amp 220/240VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 1 1NO (contactor)

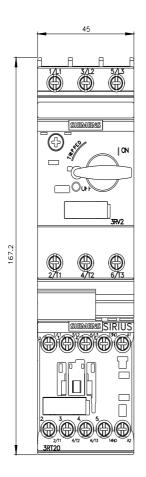
product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	direct starter
manufacturer's article number	
 of the supplied contactor 	<u>3RT2015-1AP61</u>
 of the supplied circuit-breakers 	<u>3RV2011-1HA10</u>
 of the supplied link module 	<u>3RA1921-1DA00</u>
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
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	1
Ambient conditions	
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-55 +80 °C
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	5.5 8 A
operating voltage	
rated value	690 V
 at AC-3 rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current at AC-3 at 400 V rated value	6.5 A
operating power at AC-3	
• at 400 V rated value	3 000 W
• at 500 V rated value	4 000 W
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	220 V
• at 50 Hz rated value	187 242 V
• at 60 Hz rated value	240 V

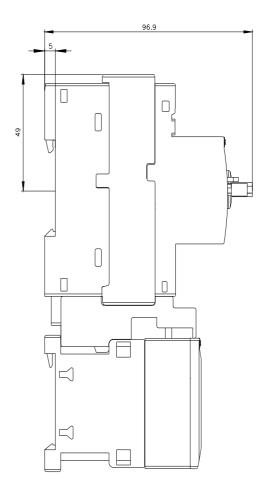
design of the overload release	thermal (bimetallic)
trip class	CLASS 10
response value current of instantaneous short-circuit trip unit	104 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	4.8 A
• at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.5 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	1.5 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
at 400 V according to IEC 60947-4-1 rated value	153 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug
height	167.2 mm
width	45 mm
depth	97.1 mm
required spacing	
for grounded parts	0.000
- forwards	0 mm
— backwards	0 mm 20 mm
— upwards — at the side	9 mm
— downwards	9 mm
	10 1111
• for live parts	
• for live parts — forwards	0 mm
 for live parts forwards backwards 	0 mm 0 mm
 for live parts forwards backwards upwards 	0 mm 0 mm 20 mm
 for live parts forwards backwards 	0 mm 0 mm 20 mm 10 mm
 for live parts forwards backwards upwards downwards at the side 	0 mm 0 mm 20 mm
 for live parts forwards backwards upwards downwards at the side Connections/ Terminals 	0 mm 0 mm 20 mm 10 mm 9 mm
 for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit 	0 mm 0 mm 20 mm 10 mm 9 mm
 for live parts forwards backwards upwards downwards at the side Connections/ Terminals	0 mm 0 mm 20 mm 10 mm 9 mm
for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection for main current circuit type of connectable conductor cross-sections for main contacts stranded connectable conductor cross-section for main contacts finely stranded with core end processing	0 mm 0 mm 20 mm 10 mm 9 mm
for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit type of connectable conductor cross-sections for main contacts stranded connectable conductor cross-section for main contacts finely 	0 mm 0 mm 20 mm 10 mm 9 mm screw-type terminals 0.5 4 mm ² , 2x (0.75 2.5 mm ²)
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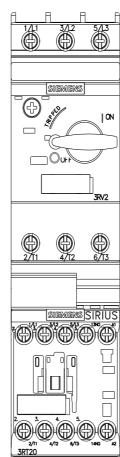
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Test Certificates		Marine / Shipping					
<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	BUREAU VERITAS	Lloyds Register us	PRS		
Marine / Shipping			other	Railway			
RINA	RMRS	DNV-GL	<u>Confirmation</u>	<u>Vibration and Shock</u>			
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							
https://www.siemens.co Industry Mall (Online of https://mall.industry.siem	ordering system)	Brochures,) alog/product?mlfb=3RA2	<u>110-1HA15-1AP6</u>				
Service&Support (Mar https://support.industry.s	nuals, Certificates, Char siemens.com/cs/ww/en/p	Korder/default.aspx?lang= racteristics, FAQs,) rs/3RA2110-1HA15-1AP6 on drawings, 3D models					
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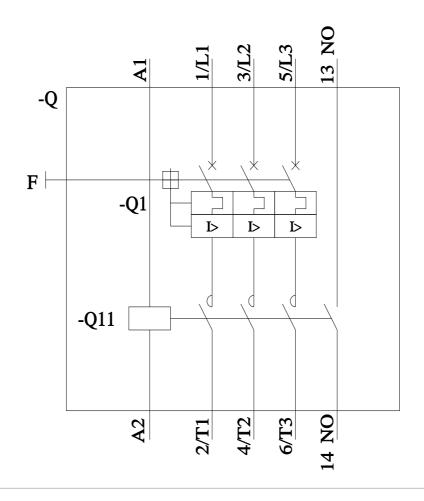
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1HA15-1AP6&lang=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1HA15-1AP6/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1HA15-1AP6&objecttype=14&gridview=view1









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