SIEMENS

Data sheet

3RA2155-4WA36-0AK6

	Fuseless motor starter Direct start 600VAC Size S2 42-52Amp 110/120VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NO+1NC (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 	3RT2036-1AK60
 of the supplied circuit-breakers 	3RV2032-4WA15
 of the supplied link module 	3RA2931-1AA00
General technical data	
size of the circuit-breaker	S2
size of load feeder	S2
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	10 000 000
type of assignment	2
Ambient conditions	
ambient temperature	
during operation	-20 +60 °C
during operation during storage	-50 +80 °C
during storage during transport	-55 +80 °C
Main circuit	-93 +60 C
number of poles for main current circuit	3
design of the switching contact	electromechanical
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design of the switching contact adjustable current response value current of the current-	electromechanical
design of the switching contact adjustable current response value current of the current- dependent overload release	electromechanical
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage	electromechanical 42 52 A
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value	electromechanical 42 52 A 690 V
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum	electromechanical 42 52 A 690 V 690 V
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value	electromechanical 42 52 A 690 V 690 V 50 60 Hz
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value	electromechanical 42 52 A 690 V 690 V 50 60 Hz
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage	electromechanical 42 52 A 690 V 690 V 50 60 Hz 41 A
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage	electromechanical 42 52 A 690 V 690 V 50 60 Hz 41 A
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height 274 mm width 55 mm depth 150 mm required spacing 150 mm • for grounded parts 0 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm • for live parts 0 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals type of connectable conductor cross-sections for main contacts finely stranded with core end processing 1 35 mm²	
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- at 460/480 V rated value 50 hp Short-circuit protection product function short circuit protection design of the short-circuit current (Iq)	
- at 460/480 V rated value 50 hp Short-circuit protection product function short circuit protection design of the short-circuit current (Iq)	
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Safety related data	n²)
B10 value with high demand rate according to SN 31920 1 000 000	j²)
proportion of dangerous failures with high demand rate according to SN 31920 73 %	J ²)
protection class IP on the front according to IEC 60529 IP20	J ²)
touch protection on the front according to IEC 60529 finger-safe, for vertical con-	n²)
Certificates/ approvals	
General Product Approval For use in hazard- ous locations	

Confirmation











Test Certificates Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping other Railway Dangerous Good







<u>Confirmation</u> <u>Vibration and Shock</u> <u>Transport Information</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

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=3RA2155-4WA36-0AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2155-4WA36-0AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4WA36-0AK6

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2155-4WA36-0AK6&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4WA36-0AK6/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2155-4WA36-0AK6&objecttype=14&gridview=view1

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