

Combination Starter Non Reversing Fast Bus FLA Range 22-32A 3 Pole 120VAC  
Coil S2 Open Type 1NO <(>&<)> 1NC Aux

<b>product brand name</b>	SIRIUS
<b>product designation</b>	non-fused motor starter 3RA2
<b>design of the product</b>	direct starter
<b>manufacturer's article number</b>	
• of the supplied contactor	<a href="#">3RT2035-1AK60</a>
• of the supplied circuit-breakers	<a href="#">3RV2031-4EA15</a>
• of the supplied busbar adapter	<a href="#">8US1261-6MT10</a>
• of the supplied link module	<a href="#">3RA2931-1AA00</a>
<b>General technical data</b>	
<b>size of the circuit-breaker</b>	S2
<b>size of load feeder</b>	S2
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	6 kV
<b>shock resistance according to IEC 60068-2-27</b>	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
<b>type of assignment</b>	2
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-55 ... +80 °C
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>design of the switching contact</b>	electromechanical
<b>adjustable current response value current of the current-dependent overload release</b>	22 ... 32 A
<b>operating voltage</b>	
• rated value	690 V
• at AC-3 rated value maximum	690 V
<b>operating frequency rated value</b>	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	29 A
operating power at AC-3	
• at 400 V rated value	15 000 W
<b>Control circuit/ Control</b>	
<b>control supply voltage at AC</b>	
• at 50 Hz rated value	110 V
• at 50 Hz rated value	88 ... 121 V
• at 60 Hz rated value	120 V
• at 60 Hz rated value	96 ... 132 V
<b>apparent holding power of magnet coil at AC</b>	16 VA
<b>inductive power factor with the holding power of the coil</b>	0.37
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	2
<b>number of NO contacts for auxiliary contacts</b>	2
<b>Protective and monitoring functions</b>	
<b>trip class</b>	CLASS 10
<b>design of the overload release</b>	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	416 A
<b>UL/CSA ratings</b>	

full-load current (FLA) for 3-phase AC motor		
• at 480 V rated value		32 A
• at 600 V rated value		32 A
yielded mechanical performance [hp]		
• for single-phase AC motor		
— at 230 V rated value		5 hp
• for 3-phase AC motor		
— at 200/208 V rated value		10 hp
— at 220/230 V rated value		10 hp
— at 460/480 V rated value		25 hp
— at 575/600 V rated value		30 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		100 000 A
Installation/ mounting/ dimensions		
mounting position		vertical
fastening method		for snapping onto 60 mm busbar systems
height		350 mm
width		55 mm
depth		208 mm
required spacing		
• for grounded parts		
— forwards		0 mm
— backwards		6 mm
— upwards		50 mm
— at the side		10 mm
— downwards		10 mm
• for live parts		
— forwards		0 mm
— backwards		6 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 stranded		1 ... 35 mm², 2x (1 ... 16 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing		1 ... 25 mm²
Safety related data		
B10 value with high demand rate according to SN 31920		1 000 000
proportion of dangerous failures with high demand rate according to SN 31920		73 %
protection class IP on the front according to IEC 60529		IP20
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front
Certificates/ approvals		
General Product Approval		For use in hazard-ous locations
		Declaration of Conformity

[Confirmation](#)



Test Certificates

Marine / Shipping

[Special Test Certificate](#)



Marine / Shipping	other	Railway	Dangerous Good
-------------------	-------	---------	----------------



[Confirmation](#)

[Vibration and Shock](#)

[Transport Information](#)

#### 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=3RA2135-4ED35-0AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2135-4ED35-0AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2135-4ED35-0AK6>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2135-4ED35-0AK6&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2135-4ED35-0AK6&lang=en)

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2135-4ED35-0AK6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2135-4ED35-0AK6&objecttype=14&gridview=view1>

last modified:

12/15/2020