

product brand name		Fuseless motor starter Reversing operation 600VAC Size S00 4.5-6.3A 110/120VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 1 1NO+1NC (MSP) 1NC (per contactor)
product designation		SIRIUS
design of the product		non-fused motor starter 3RA2
manufacturer's article number		reversing starter
• of the supplied contactor		3RT2015-1AK62
• of the supplied circuit-breakers		3RV2011-1GA15
• of the supplied link module		3RA1921-1DA00
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	
Weight	0.82 kg	
Ambient conditions		
ambient temperature	<ul style="list-style-type: none"> • 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	4.5 ... 6.3 A	
operating voltage	<ul style="list-style-type: none"> • 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	4.9 A	
operating power at AC-3	<ul style="list-style-type: none"> • at 400 V rated value 2 200 W • at 500 V rated value 3 000 W 	
Control circuit/ Control		
control supply voltage at AC	<ul style="list-style-type: none"> • at 50 Hz rated value 110 V • at 50 Hz rated value 93.5 ... 121 V • at 60 Hz rated value 120 V • at 60 Hz rated value 96 ... 132 V 	
apparent holding power of magnet coil at AC	4.8 VA	
inductive power factor with the holding power of the coil	0.25	
Auxiliary circuit		
number of NC contacts for auxiliary contacts	2	
number of NO contacts for auxiliary contacts	1	
Protective and monitoring functions		
trip class	CLASS 10	
design of the overload release	thermal (bimetallic)	

response value current of instantaneous short-circuit trip unit	81.9 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 hp
— at 220/230 V rated value	1.5 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	170 mm
width	90 mm
depth	97.1 mm
required spacing	
• for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— at the side	9 mm
— downwards	10 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— downwards	10 mm
— at the side	9 mm
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts stranded	0.5 ... 4 mm ² , 2x (0.75 ... 2.5 mm ²)
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 ... 2.5 mm ²
Safety related data	
proportion of dangerous failures with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
Electrical Safety	
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
Approvals Certificates	
General Product Approval	For use in hazardous locations



[Confirmation](#)



[Test Certificates](#)

[Marine / Shipping](#)

[Type Test Certificate/Test Report](#)

[Special Test Certificate](#)



ABS



BUREAU
VERITAS



DNV



LRS

Marine / Shipping	other	Railway	Environment
 PRS	 RINA	 RMRS	Confirmation Special Test Certificate Environmental Confirmations

Further information

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=3RA2215-1GA15-2AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-1GA15-2AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1GA15-2AK6>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-1GA15-2AK6&lang=en

Characteristic: Tripping characteristics, I^t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1GA15-2AK6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-1GA15-2AK6&objecttype=14&gridview=view1>

last modified:

12/15/2020