

Fuseless motor starter Reversing operation 600VAC Size S00 2.2-3.2A
220/240VAC 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) 1NC (per contactor)

product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	reversing starter
manufacturer's article number	
• of the supplied contactor	3RT2015-1AP62
• of the supplied circuit-breakers	3RV2011-1DA15
• 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	6 g / 11 ms
mechanical service life (operating cycles) of contactor typical	30 000 000
type of coordination	2
Net Weight	0.82 kg
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	2.2 ... 3.2 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	2.7 A
operating power at AC-3	
• at 400 V rated value	1 100 W
• at 500 V rated value	1 500 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
• at 60 Hz rated value	192 ... 264 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		41.6 A
UL/CSA ratings		
full-load current (FLA) for 3-phase AC motor		
• at 480 V rated value		2.8 A
• at 600 V rated value		3.16 A
yielded mechanical performance [hp]		
• for single-phase AC motor		
— at 110/120 V rated value		0.1 hp
— at 230 V rated value		0.25 hp
• for 3-phase AC motor		
— at 200/208 V rated value		0.5 hp
— at 220/230 V rated value		0.75 hp
— at 460/480 V rated value		1.5 hp
— at 575/600 V rated value		2 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
• at 500 V according to IEC 60947-4-1 rated value		100 000 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 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 mm², 2x (0.75 ... 2.5 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing		0.5 ... 2.5 mm²
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		
Environment	General Product Approval	For use in hazard-ous locations

[Environmental Con-
firmations](#)



Test Certificates

Maritime application

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Maritime application

other



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Railway

[Special Test Certific-
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Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RA2215-1DA15-2AP6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1DA15-2AP6>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-1DA15-2AP6&lang=en

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-1DA15-2AP6>

Characteristic curves

https://curves.simarisiemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>

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