SIEMENS

Data sheet

3RA2115-0FA15-1BB4



Fuseless motor starter Direct start 600VAC Size S00 0.35-0.5A 24V DC 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 (contactor)

design of the product direct starter	product brand name	SIRIUS
manufacturer's article number • of the supplied contactor • of the supplied contactor • of the supplied inclub-reakers • of the supplied link module 3RA1921-1DA00 General technical data size of the circuit-breaker size of toad feeder product extension auxiliary switch resultation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport Ausiliary of poles for main current circuit 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 operation lease operating frequency rated value operation grown at AC-3 • at 400 V rated value • at 500 V rated value	product designation	non-fused motor starter 3RA2
of the supplied circuit-breakers of the supplied link module saray 2011-0FA15 of the supplied link module saray 2011-0FA15 saray 20	design of the product	direct starter
of the supplied circuit-breakers of the supplied link module 3RA1921-1DA00 General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions amient temperature ouring storage during storage during storage during transport Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage a tad value a ta C-3 rated value maximum operating power at AC-3 at 400 V rated value at 500 V rated value at 600 V rated value	manufacturer's article number	
• of the supplied link module General technical data size of the circuit-breaker size of load feeder product extension auxillary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during storage • during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operation at 500 V V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 500 V rated value • at 600 V rated value	 of the supplied contactor 	3RT2015-1BB41
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 value 790 V value 7	 of the supplied circuit-breakers 	3RV2011-0FA15
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 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 (switching cycles) of contactor typical 7 type of assignment 2 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 design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release 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 180 W • at 500 V rated value 250 W Control circuit/ Control	 of the supplied link module 	3RA1921-1DA00
size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature	General technical data	
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during operation during storage during transport -20 +60 °C -50 +80 °C -55 +80 °C Ambient or of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value operating frequency rated value operating frequency rated value operating power at AC-3 e at 400 V rated value at 500 V rated value at 500 V rated value 250 W Control circuit/Control	size of the circuit-breaker	S00
insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during storage during storage during transport -50 +80 °C during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage	size of load feeder	S00
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 (switching cycles) of contactor typical 30 000 000 typical 2 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 operating voltage rated value 690 V operating frequency rated value 50 60 Hz operating power at AC-3 at 400 V rated value 120 W at 500 V rated value 180 W at 690 V rated value 180 W at 690 V rated value 250 W Control circuit/Control	product extension auxiliary switch	Yes
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 get for significant service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport -20 +60 °C • during transport -20 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 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 operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value		690 V
shock resistance according to IEC 60068-2-27 shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment Ambient conditions ambient temperature • during operation • during storage • during storage • during transport Main circuit number of poles for main current circuit 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 • at 400 V rated value • at 500 V rated value • at 690 V rated value	degree of pollution	3
mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport -20 +60 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 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 • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value	surge voltage resistance rated value	6 kV
type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 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 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 500 V rated value • at 690 V rated value • at 500 V rated value • at 690 V rated value • at 500 V rated value • at 690 V rated value	shock resistance according to IEC 60068-2-27	6g / 11 ms
ambient temperature • during operation • during storage • during transport -20 +60 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 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 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value		30 000 000
ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 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 operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	type of assignment	2
 during operation during storage during transport 55 +80 °C Main circuit number of poles for main current circuit 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 operating power at AC-3 at 400 V rated value at 500 V rated value at 690 V Out A 120 W at 690 V rated value 	Ambient conditions	
 during storage during transport -55 +80 °C Main circuit number of poles for main current circuit 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 operating power at AC-3 at 400 V rated value at 500 V rated value at 690 V Out A 0.4 A Operating power at AC-3 at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value Control circuit/ Control Control circuit/ Control Description Some the storage of the switching of the surface of	ambient temperature	
during transport design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage e at AC-3 rated value maximum operating frequency rated value operating power at AC-3 e at 400 V rated value e at 690 V rated value	 during operation 	-20 +60 °C
Main circuit number of poles for main current circuit 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 operating power at AC-3 • at 400 V rated value • at 500 V rated value 120 W • at 690 V rated value 250 W Control circuit/ Control	during storage	-50 +80 °C
number of poles for main current circuit 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 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V Control circuit/ Control	 during transport 	-55 +80 °C
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 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V vated value 250 W Control circuit/ Control	Main circuit	
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 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 120 W • at 690 V rated value 180 W • at 690 V rated value 250 W Control circuit/ Control	number of poles for main current circuit	3
current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control	design of the switching contact	electromechanical
 rated value at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 690 V rated value 250 W 	•	0.35 0.5 A
 at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 690 V rated value 250 W Control circuit/ Control	operating voltage	
operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control	rated value	690 V
operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control	at AC-3 rated value maximum	690 V
operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control	operating frequency rated value	50 60 Hz
at 400 V rated value at 500 V rated value at 690 V rated value Control circuit/ Control 120 W 180 W 250 W	operational current at AC-3 at 400 V rated value	0.4 A
 at 500 V rated value at 690 V rated value 250 W Control circuit/ Control	operating power at AC-3	
at 690 V rated value Control circuit/ Control 250 W	at 400 V rated value	120 W
Control circuit/ Control	at 500 V rated value	180 W
	at 690 V rated value	250 W
control supply voltage at DC	Control circuit/ Control	
	control supply voltage at DC	

General Product Approval		For use in hazard- ous locations	Declaration of Conformity
Certificates/ approvals			
touch protection on the front according to IEC 60529	finger-safe, for vertical conta	act from the front	
protection class IP on the front according to IEC 60529	IP20		
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		
Safety related data			
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 mm²		
at AWG cables for main contacts	2x (20 16), only for contactor 2x (18 14), 2x 12		
for main contacts stranded	0.5 4 mm², 2x (0.75 2.5 mm²)		
type of connectable conductor cross-sections			
type of electrical connection for main current circuit	screw-type terminals		
Connections/ Terminals			
— at the side	9 mm		
— downwards	10 mm		
— upwards	20 mm		
— backwards	0 mm		
— forwards	0 mm		
• for live parts	0 mm		
— downwards	10 mm		
— at the side	9 mm		
— upwards			
	20 mm		
— backwards	0 mm		
— forwards	0 mm		
• for grounded parts			
required spacing	VI.I IIIII		
depth	97.1 mm		
width	45 mm		
height	167.2 mm	Jorew-mounted with at	iditional push-in lug
fastening method	Snap-mounted to DIN rail or	screw-mounted with a	Iditional push-in lug
mounting position	vertical		
Installation/ mounting/ dimensions	100 000 71		
at 500 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value	100 000 A		
at 400 V according to IEC 60947-4-1 rated value	153 000 A		
at 690 V according to IEC 60947-4-1 rated value	100 000 A		
conditional short-circuit current (Iq)			
design of the short-circuit trip	magnetic		
product function short circuit protection	Yes		
Short-circuit protection			
response value current of instantaneous short-circuit trip unit	6.5 A		
design of the overload release	thermal (bimetallic)		
trip class	CLASS 10		
Protective and monitoring functions			
number of NO contacts for auxiliary contacts	2		
number of NC contacts for auxiliary contacts	1		
Auxiliary circuit			
holding power of magnet coil at DC	4 W		
• rated value	24 V		



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>







Marine / Shipping

other Railway









Confirmation

Vibration and Shock

Dangerous Good

Transport Informa-<u>tion</u>

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=3RA2115-0FA15-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0FA15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0FA15-1BB4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RA2115-0FA15-1BB4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0FA15-1BB4/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0FA15-1BB4&objecttype=14&gridview=view1

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