3RA2215-1DA15-2BB4

Data sheet



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

product designation design of the product reversing starter • of the supplied contactor • of the supplied circuit-breakers size of toad feeder size of toad feeder product extension auxiliary switch value 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 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 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 500 V rated value • control symbly voltage at DC	product brand name	SIRIUS
manufacturer's article number • of the supplied contactor • of the supplied circuit-breakers • of the supplied ink module 3RA1921-1DA00 General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch risulation 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 value 4 Ambient conditions ambient temperature • during operation • during storage • during transport All or switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value • at 400 V rated value • at 500 V rated value	product designation	non-fused motor starter 3RA2
of the supplied contactor of the supplied circuit-breakers of the supplied link module 3RA1921-1DA15 3RV2011-1DA15 size of the circuit-breaker size of the circuit-breaker size of load feeder soo 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 degree of ife (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • 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 operation current at AC-3 • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 400 V rated value	design of the product	reversing 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 type of assignment very during storage during operation during operation 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	manufacturer's article number	
of the supplied link module General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 stype of assignment 4 Amblent conditions ambient temperature 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 • at AC-3 at etd value • at 40-0 v rated value • at 400 v rated value • at 500 v rated value	 of the supplied contactor 	3RT2015-1BB42
Size of the circuit-breaker S00	 of the supplied circuit-breakers 	3RV2011-1DA15
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 3 surge voltage resistance rated value 6kV 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 -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 690 V operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value	 of the supplied link module 	3RA1921-1DA00
size of load feeder product extension auxiliary switch 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 -50 +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 frequency rated value at 400 V rated value at 400 V rated value at 400 V rated value at 500 W V rated value at 500 V vated value	General technical data	
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 8 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 -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 500 V rated value 1 100 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 operation during storage during transport 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 power at AC-3 e at 400 V rated value 1 100 W control circuit/ Control	size of load feeder	S00
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 Ambient conditions ambient temperature during operation 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 design fequency rated value e at AC-3 rated value maximum operating frequency rated value operating power at AC-3 e at 400 V rated value e at 500 V rated value 1 100 W Control circuit/ Control	product extension auxiliary switch	Yes
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment Ambient conditions ambient temperature	o o	690 V
shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions amblent temperature	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 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 500 V rated value 1 100 W control circuit/ Control	surge voltage resistance rated value	6 kV
type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport Ambient crouit 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 1 100 W control circuit/ Control	shock resistance according to IEC 60068-2-27	6g / 11 ms
Ambient temperature • during operation • during storage • during transport Ambient temperature • 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 frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value 1 500 W Control circuit/ Control	(, ,	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 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 1 100 W control circuit/ Control	type of assignment	2
 during operation during storage during transport 55 +80 °C during transport 3 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 W 	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 frequency rated value operating power at AC-3 at 400 V rated value at 400 V rated value at 400 V rated value 1 100 W at 500 V rated value 1 500 W 	ambient temperature	
during transport 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 500 W Control circuit/ Control	 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 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 1 100 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 • at 400 V rated value • at 500 V rated value 1 100 W 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 1 100 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 1 100 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 1 100 W • at 500 V rated value 1 500 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 1 100 W at 500 V rated value 1 500 W Control circuit/ Control		2.2 3.2 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 1 100 W at 500 V rated value 1 500 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 1 100 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 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 1 100 W Control circuit/ Control	operating frequency rated value	50 60 Hz
at 400 V rated value at 500 V rated value 1 100 W Control circuit/ Control	operational current at AC-3 at 400 V rated value	2.7 A
at 500 V rated value 1 500 W Control circuit/ Control	operating power at AC-3	
Control circuit/ Control	at 400 V rated value	1 100 W
		1 500 W
control supply voltage at DC	Control circuit/ Control	
control cappy to tage at be	control supply voltage at DC	
• rated value 24 V	rated value	24 V

SIRIUS

holding power of magnet coil at DC	4 W
Auxiliary circuit	7 VV
	2
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	1
Protective and monitoring functions	
	CLASS 10
trip class	
design of the overload release response value current of instantaneous short-circuit trip	thermal (bimetallic) 41.6 A
unit	41.0 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	97.1 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 mm², 2x (0.75 2.5 mm²)
 at AWG cables for main contacts 	2x (20 16), only for contactor 2x (18 14), 2x 12
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 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

Certificates/ approvals

General Product Approval

For use in hazardous locations Declaration of Conformity



Confirmation



EAC





Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other Railway









Confirmation

Vibration and Shock

Dangerous Good

<u>Transport Information</u>

Further information

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=3RA2215-1DA15-2BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-1DA15-2BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1DA15-2BB4

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

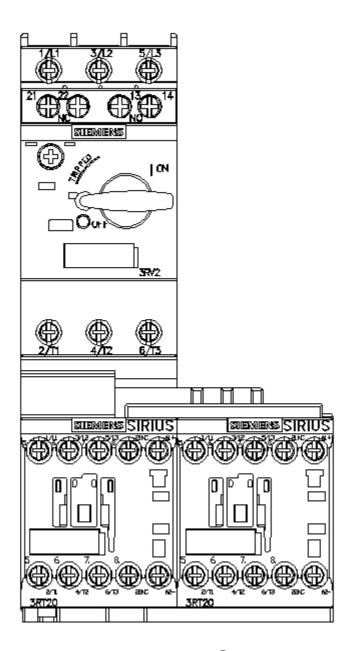
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-1DA15-2BB4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1DA15-2BB4/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-1DA15-2BB4&objecttype=14&gridview=view1



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