SIEMENS

Data sheet

3RA2115-0HA15-1BB4



Fuseless motor starter Direct start 600VAC Size S00 0.55-0.8A 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 resistance according to IEC 60068-2-27 gery orltage resistance rated value shock resistance according to IEC 60068-2-27 gery of assignment type of assignment ambient temperature • during operation • during storage • 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 operation love 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 of the supplied link module size of the circuit-breaker size of the circuit-breaker size of load feeder product extension auxiliary switch residence of pollution surge 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 during storage during storage during transport during transport design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage	design of the product	direct starter		
of the supplied circuit-breakers of the supplied link module 3RA1921-1DA00 Size of the circuit-breaker 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 of 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 requency rated value at AC-3 rated value maximum operation power at AC-3 at 400 V rated value at 500 V rated value at 500 V rated value at 600 V son 30000 000 487 488 590 V 690 V 6	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 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 -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 sopressing power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • 370 W	 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 690 V value 690 V value 64 ft V value 65 value 66 value 66 value 66 value 66 value 67 value 68 value 78 value	 of the supplied circuit-breakers 	3RV2011-0HA15		
size of the circuit-breaker	 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 during operation during storage during transport fundin circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value at AC-3 rated value at 500 V rated value at 500 V rated value at 600 V rated value	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 -55 +80 °C 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 690 V rated value at 690 V rated value 370 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 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 370 W Control circuit/Control	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 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 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 180 W at 500 V rated value 250 W at 690 V rated value 370 W Control circuit/ Control	product extension auxiliary switch	Yes		
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 fee dy 11 ms 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 -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	o i	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 power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value operation gower at AC-3 • at 400 V rated value • at 500 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 -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 • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operating power at AC-3 • at 400 V rated value 180 W • at 500 V rated value 250 W • at 690 V rated value 370 W Control circuit/ Control	shock resistance according to IEC 60068-2-27	6g / 11 ms		
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 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 at 690 V at 400 V rated value at 400 V rated value at 690 V rated value 	Ambient conditions			
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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 operating power 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 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 • at 690 V Operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	 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 rated value 370 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 250 W • at 690 V rated value 370 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 370 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 	,	0.55 0.8 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 370 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 Sometimes of the stress of the s	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 370 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 370 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	operational current at AC-3 at 400 V rated value	0.6 A		
 at 500 V rated value at 690 V rated value Control circuit/ Control 	operating power at AC-3			
at 690 V rated value Control circuit/ Control 370 W	 at 400 V rated value 	180 W		
Control circuit/ Control	at 500 V rated value	250 W		
	at 690 V rated value	370 W		
control supply voltage at DC	Control circuit/ Control			
	control supply voltage at DC			

rated value	24 V		
holding power of magnet coil at DC	4 W		
Auxiliary circuit			
number of NC contacts for auxiliary contacts	1		
number of NO contacts for auxiliary contacts	2		
Protective and monitoring functions			
trip class	CLASS 10		
design of the overload release	thermal (bimetallic)		
response value current of instantaneous short-circuit trip unit	10.4 A		
Short-circuit protection			
product function short circuit protection	Yes		
design of the short-circuit trip	magnetic		
conditional short-circuit current (Iq)			
 at 690 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 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 ac	Iditional push-in lug
height	167.2 mm		
width	45 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	5 mm²)	
at AWG cables for main contacts	2x (20 16), only for contact		
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 mm ²	(, , ,	
Safety related data			
	1,000,000		
B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate	_ 1 000 000 73 %		
according to SN 31920			
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical conta	act from the front	
Certificates/ approvals			
General Product Approval		For use in hazard- ous locations	Declaration of Conformity



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=3RA2115-0HA15-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0HA15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0HA15-1BB4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0HA15-1BB4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0HA15-1BB4/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0HA15-1BB4&objecttype=14&gridview=view1

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