SIEMENS

Data sheet

3RA2225-0GD23-0BB4

product brand name product designation non-bused motor stanter 3RA2 design of the product manufacturer's article number of the supplied contactor of the supplied contactor of the supplied RS assembly kit of the supplied Ink module of the supplied Ink module of the supplied Ink module size of the circuit-breaker size of the defeder of the supplied Ink module Size of the circuit-breaker size of the defeder S0 ground extension auxiliary switch resident of the circuit-breaker size of the circuit-breaker of the supplied circu		Fuseless motor starter Reversing operation 600VAC Size S0 0.45-0.63A 24V DC screw connection For snapping onto 60 mm busbar systems Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NO+1NC (per contactor)
design of the product manufacturer's article number of the supplied contactor of the supplied contactor of the supplied contactor of the supplied state of	product brand name	SIRIUS
manufacturer's article number of the supplied circuit-breakers of the supplied circuit-breakers of the supplied Risk sesembly kit of the supplied Risk sesembly kit of the supplied Disks assembly kit of the supplied Disks and Sessembly kit size of the Circuit-breaker So So So 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 66 kV shock resistance according to IEC 80088-2.27 8g / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport • during transport • 55 +80 °C • during transport operation of the switching contact adjustable current response value current of the current-dependent overologiese • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operation of Vrated value • at 800 V rated value • at	product designation	non-fused motor starter 3RA2
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e of the supplied circuit-breakers of the supplied Na assembly kit of the supplied busbar adapter size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of load feeder produce extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution aurye voltage resistance rated value 4 6KV shock resistance according to IEC 60088-2-27 8 6y /11 ms mechanical service Ife (operating cycles) of contactor typical 1 ype of assignment 2 2 Substance Prohibitance (Date) 3 301/2017 Ambient conditions ambient temperature 4 uting operation 4 during storage 4 of unity operation 4 during storage 4 of unity operation 4 during ransport 55 480 °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 requency rated value 680 V 4 ACA-3 rated value maximum 680 V operating frequency rated value 3 operating frequency rated value 4 aCA-3 rated value maximum 680 V 4 aCA-3 rated value maximum 680 V 50 60 Hz operating frequency rated value 4 aCA-3 rated value maximum 680 V 4 aCA-3 rated value 4 aCA or rated value 4 aCA	manufacturer's article number	
of the supplied RS assembly kit of the supplied Ink module of the supplied Ink module supplied Ink module size of the circuit-breaker supplied Ink module	 of the supplied contactor 	3RT2023-1BB40
of the supplied busbar adapter of the supplied link module 38A2921-1BA00 Ceneral technical data size of the circuit-breaker sizo of load feedor sizo of load feedor 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 60088-2-27 6g /1 ms mechanical service life (operating cycles) of contactor typical visual substance Prohibitance (Date) shock resistance (Date) surge voltage resistance (Date) shock resistance according to IEC 60088-2-27 6g /1 ms mechanical service life (operating cycles) of contactor typical visual substance Prohibitance (Date) shock resistance (Date) substance Prohibitance (Date) substance Prohibitance (Date) during storage during storage during storage during transport ### Allow Common and transport ### Allow Common and Common an	 of the supplied circuit-breakers 	3RV2011-0GA15
e of the supplied link module Central technical data size of the circult-breaker size of to lact feeder product extension auxiliary switch yes 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 (operating cycles) of contactor typical type of assignment 2 Substance Prohibitance (Dato) 3 Substance Prohibitance (Dato) 3 Substance Prohibitance (Dato) 3 Substance Prohibitance (Dato) 4 Substance Prohibitance (Dato) 4 Substance Prohibitance (Dato) 4 Substance Prohibitance (Dato) 4 Substance Prohibitance (Dato) 5 Substance Prohibitance (Dato) 6 Substance Prohibitance (Dato) 6 Substance Prohibitance (Dato) 6 Substance Prohibitance (Dato) 6 Substance Prohibitance (Dato) 7 Substance Prohibitance (Dato) 8 Substance Prohibitance (Dato) 8 Substance Prohibitance (Dato) 9 Substanc	 of the supplied RS assembly kit 	3RA2923-1DB1
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size of the circuit-breaker S00 size of load feeder S0 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value 690 V degree of pollution 8 surge voltage resistance rated value 68V shock resistance according to IEC 60068-2-27 69 / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 Substance Prohibitance (Date) 30/01/2017 Ambient conditions ambient temperature • during operation -20 +60 °C • during operation -55 +80 °C • during storage -50 +80 °C Main circuit number of poles for main current circuit electromechanical 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 • at 60 V rated value • at 500	of the supplied link module	3RA2921-1BA00
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 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 66 / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 1ype of assignment 2 Substance Prohibitance (Date) Ambient conditions ambient temperature 4 during operation 5 during storage 5 during storage 6 during storage 7 during transport 8 design of the switching contact adjustable current response value current of the current-dependent overload release 9 erated value 1 at AC-3 at advol v rated value 1 at AC-3 at 400 V rated value 1 at 500 V rated value 1 at 500 V rated value 1 at 500 V rated value 2 at 400 V rated value 2 at 600 V rated value 3 at 600 V rated value 4 at 600 V	General technical data	
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Surge voltage resistance according to IEC 60068-2-27 6g / 11 ms	· · · · · · · · · · · · · · · · · · ·	
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oluring 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 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 • at 690 V control circuit/ Control control supply voltage at DC • rated value blolding power of magnet coil at DC Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts trip class CLASS 10 thermal (bimetallic)		
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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 • at 690 V rated value Control circuit/ Control control supply voltage at DC • rated value • rated value 24 V holding power of magnet coil at DC Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 13 Protective and monitoring functions trip class CLASS 10 design of the overload release 180 W 250 W 24 V 5.9 W CONTROL SUPPLY SUP	 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 • at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC • rated value 24 V holding power of magnet coil at DC Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 13 Protective and monitoring functions trip class CLASS 10 design of the overload release 180 W 24 V 5.9 W CONTROL CON	operating frequency rated value	50 60 Hz
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at 500 V rated value at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC arated value 24 V holding power of magnet coil at DC Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 13 Protective and monitoring functions trip class CLASS 10 design of the overload release 180 W 250 W Control circuit/ Control 24 V 5.9 W CLASS 10 thermal (bimetallic)	operating power at AC-3	
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Control circuit/ Control control supply voltage at DC • rated value 24 V holding power of magnet coil at DC 5.9 W Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 3 Protective and monitoring functions trip class CLASS 10 design of the overload release thermal (bimetallic)	• at 500 V rated value	180 W
control supply voltage at DC	• at 690 V rated value	
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holding power of magnet coil at DC Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Protective and monitoring functions trip class CLASS 10 design of the overload release 5.9 W 5.9 W CLASS 10	control supply voltage at DC	
Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Protective and monitoring functions trip class CLASS 10 design of the overload release thermal (bimetallic)	• rated value	24 V
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Protective and monitoring functions trip class CLASS 10 design of the overload release thermal (bimetallic)	holding power of magnet coil at DC	5.9 W
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Protective and monitoring functions trip class CLASS 10 design of the overload release thermal (bimetallic)	Auxiliary circuit	
number of NO contacts for auxiliary contacts Protective and monitoring functions trip class design of the overload release CLASS 10 thermal (bimetallic)		3
Protective and monitoring functions trip class CLASS 10 design of the overload release thermal (bimetallic)		3
trip class CLASS 10 design of the overload release thermal (bimetallic)		
design of the overload release thermal (bimetallic)	<u> </u>	CLASS 10
·	·	thermal (bimetallic)

Short-circuit protection					
product function short circuit protection		Yes	Yes		
design of the short-circuit trip		magn	magnetic		
conditional short-circuit current (Iq)					
• at 400 V according to IEC 60947-4-1 rated	value	153 0	00 A		
Installation/ mounting/ dimensions					
mounting position		vertica	al		
fastening method		for sn	for snapping onto 60 mm busbar systems		
height		260 m	260 mm		
width		90 mr	90 mm		
depth		165 m	165 mm		
required spacing					
 for grounded parts 					
— forwards		10 mr	10 mm		
— backwards		0 mm	0 mm		
— upwards		30 mr	n		
— at the side		9 mm	9 mm		
— downwards		10 mr	n		
 for live parts 					
— forwards		10 mr	n		
— backwards		0 mm			
— upwards		30 mm			
— downwards		10 mm			
— at the side		9 mm	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		1 10 mm², 2x (2.5 6 mm²)			
connectable conductor cross-section for main contacts finely stranded with core end processing		1 6 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			
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front			
Certificates/ approvals					
General Product Approval	For use in haza	ard-	Declaration of Conformity	other	

Confirmation









Confirmation

Dangerous Good

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RA2225-0GD23-0BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2225-0GD23-0BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2225-0GD23-0BB4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2225-0GD23-0BB4&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA

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

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