3RA2210-0JA15-2AP0

Data sheet



Load feeder fuseless, Reversing duty 400 V AC, Size S00 0.70...1.00 A 230 V AC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NC (contactor)

product designation design of the product for standard rail or screw mounting product type designation 3RA22 manufacturer's article number of the supplied contactor of the supplied contactor of the supplied directive breakers of the supplied link module 3RA1921-1DA00 Ceneral technical data size of the circuit-breaker size of load feeder so power loss [W] for rated value of the current of the supplied size of the circuit-breaker size of load feeder so power loss [W] for rated value of the current of the surge voltage resistance rated value of the surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical specificate of suitability according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Quistance Prohibitance (Date) Ability of the surger suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Quistance Prohibitance (Date) Ability of the control of the current of ulring storage of ulring transport temperature of ulring storage of ulring transport design of the writching contact adjustable current response value current of the current-dependent overload release operating voltage and AC-3 rated value maximum of the AC-3 rated value maximum of the Called Standard Standar	product brand name	SIRIUS		
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shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 type of protection according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 design of the switching contact 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	surge voltage resistance rated value	6 kV		
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■ during transport	 during operation 	-20 +60 °C		
temperature compensation -20 +60 °C relative humidity during operation 10 95 % 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 -20 +60 °C 10 95 % 8 electromechanical 0.7 1 A 690 V	during storage	-50 +80 °C		
relative humidity during operation 10 95 % 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 • at AC-3 rated value maximum 10 95 % 8 design of the switching contact electromechanical 0.7 1 A 690 V	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 • 690 V	temperature compensation	-20 +60 °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 o lectromechanical 0.7 1 A 690 V	relative humidity during operation	10 95 %		
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 electromechanical 0.7 1 A 690 V	Main circuit			
adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum 0.7 1 A 690 V	number of poles for main current circuit	3		
dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V	design of the switching contact	electromechanical		
 rated value at AC-3 rated value maximum 690 V 690 V 		0.7 1 A		
• at AC-3 rated value maximum 690 V	operating voltage			
	• rated value	690 V		
• at AC-3e rated value maximum 690 V	• at AC-3 rated value maximum	690 V		
	• at AC-3e rated value maximum	690 V		

operating frequency rated value	50 60 Hz
operating frequency fated value	00 00 TIE
at AC-3 at 400 V rated value	1 A
at AC-3e at 400 V rated value	1 A
operating power	
• at AC-3	OFOLIN
— at 400 V rated value	250 W
• at AC-3e	OFO LAW
— at 400 V rated value Control circuit/ Control	250 kW
	10
type of voltage of the control supply voltage	AC
control supply voltage at AC	2001/
• at 50 Hz rated value	230 V
• at 50 Hz rated value	230 230 V
• at 60 Hz rated value	230 V
at 60 Hz rated value	230 230 V
apparent holding power of magnet coil at AC	4.2 VA
• at 50 Hz	4.2 VA
• at 60 Hz	3.3 VA
inductive power factor with the holding power of the coil	0.25
● at 50 Hz	0.25
• at 60 Hz	0.25
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	13 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	1 A
at 600 V rated value	1 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 460/480 V rated value	0.5 hp
— at 575/600 V rated value	0.5 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	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	170 mm
width	90 mm
depth	97 mm
required spacing	
for grounded parts	
·	
— forwards	32 mm
— forwards — backwards	32 mm 0 mm
— backwards	0 mm
— backwards — upwards	0 mm 50 mm
backwardsupwardsat the side	0 mm 50 mm 10 mm
backwardsupwardsat the sidedownwards	0 mm 50 mm
 backwards upwards at the side downwards for live parts 	0 mm 50 mm 10 mm 10 mm
 backwards upwards at the side downwards for live parts forwards 	0 mm 50 mm 10 mm 10 mm
 backwards upwards at the side downwards for live parts forwards backwards 	0 mm 50 mm 10 mm 10 mm 0 mm
 backwards upwards at the side downwards for live parts forwards backwards upwards 	0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm
 backwards upwards at the side downwards for live parts forwards backwards 	0 mm 50 mm 10 mm 10 mm 32 mm 0 mm

Connections/ Terminals					
type of electrical connection					
 for main current circuit 	screw-type terminals				
 for auxiliary and control circuit 	screw-type terminals				
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 %				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front				
Communication/ Protocol					
protocol is supported					
 PROFINET IO protocol 	No				
PROFIsafe protocol	No				
protocol is supported AS-Interface protocol	No				
Certificates/ approvals					
General Product Approval		For use in hazard-	Declaration of Conformity		

Confirmation







ous locations





Test Certificates

Marine / Shipping

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

Type Test Certificates/Test Report









Marine / Shipping







Confirmation

other

Vibration and Shock

Railway

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=3RA2210-0JA15-2AP0

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2210-0JA15-2AP0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0JA15-2AP0

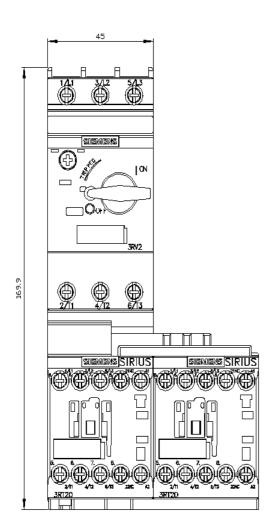
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

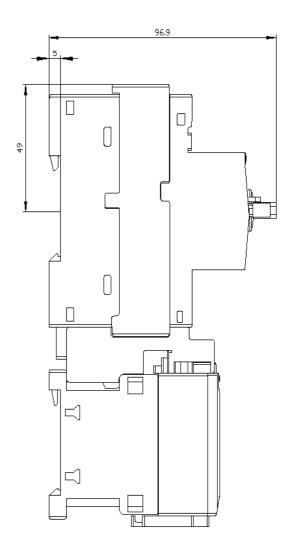
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0JA15-2AP0&lang=en

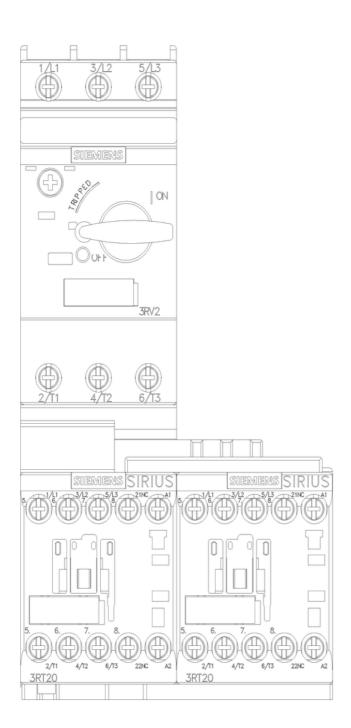
Characteristic: Tripping characteristics, I2t, Let-through current

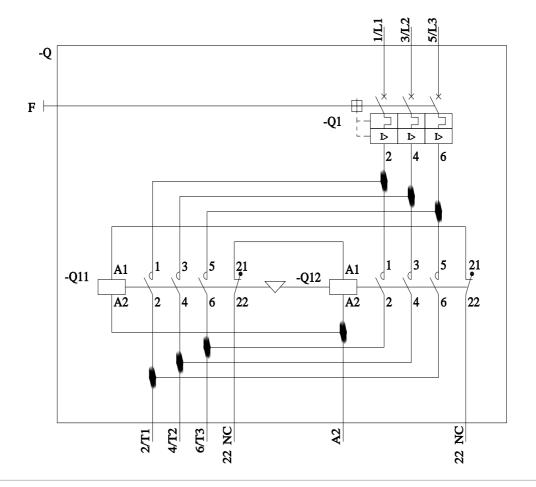
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0JA15-2AP0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0JA15-2AP0&objecttype=14&gridview=view1









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