SIEMENS

Data sheet

3RA2220-1FD24-0BB4

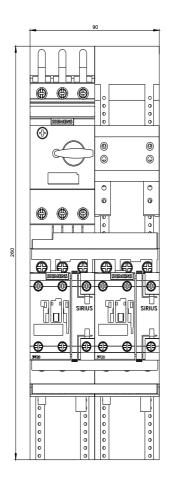


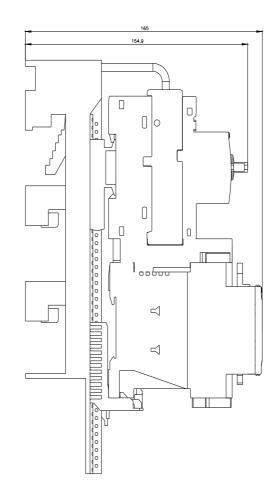
Load feeder fuseless, Reversing duty 400 V AC, Size S0 3.50...5.00 A 24 V DC screw terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

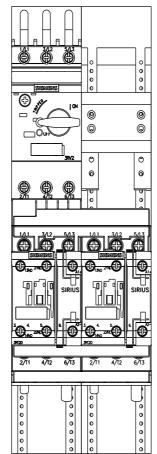
product brand name	SIRIUS
product designation	Reversing starter
design of the product	for 60 mm busbars
product type designation	3RA22
manufacturer's article number	
 of the supplied contactor 	<u>3RT2024-1BB40</u>
 of the supplied circuit-breakers 	<u>3RV2011-1FA10</u>
 of the supplied RS assembly kit 	<u>3RA2923-1DB1</u>
 of the supplied link module 	<u>3RA2921-1BA00</u>
General technical data	
size of the circuit-breaker	S00
size of load feeder	S0
power loss [W] for rated value of the current	
 at AC in hot operating state per pole 	2.7 W
 without load current share typical 	5.9 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
degree of protection NEMA rating	other
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
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
during transport	-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	electromechanical
adjustable current response value current of the current- dependent overload release	3.5 5 A
operating voltage	
rated value	690 V
• at AC-3 rated value maximum	690 V

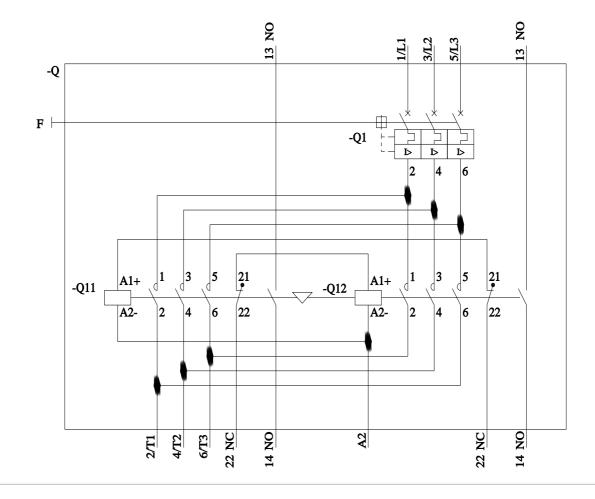
 at AC-3e rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current	
at AC-3 at 400 V rated value	5 A
• at AC-3e at 400 V rated value	5A
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operating power • at AC-3	
- at 400 V rated value	1 500 W
• at AC-3e	1 500 W
• at AC-se — at 400 V rated value	1 500 1/1/
Control circuit/ Control	1 500 kW
	DC
type of voltage of the control supply voltage	
control supply voltage at DC	24.)/
rated value	24 V
• rated value	24 24 V
holding power of magnet coil at DC	5.9 W
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	65 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	5 A
• at 600 V rated value	5 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.5 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	1.5 hp
— at 220/230 V rated value	1.5 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	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	for snapping onto 60 mm busbar systems
height	260 mm
width	90 mm
depth	165 mm
required spacing	
• for grounded parts	
— forwards	32 mm
— backwards	0 mm
— upwards	50 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	32 mm
— backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	10 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 S	N 31920	1 000	000		
proportion of dangerous failures					
• with high demand rate according to SN 3	1920	73 %			
touch protection on the front according to IE	C 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					
			For use in hazard-		
General Product Approval			ous locations	Declaration of Confor	rmity
Confirmation	EHC		ATEX ATEX	CE EG-Konf.	UK CA
Test Certificates	Marine / Shippi	ng			
Special Test Certific- ate <u>ates/Test Report</u>	ABS		B UREAU VERITAS	Llovd's Kegister uis	PRS
Marine / Shipping			other	Railway	Dangerous Good
				Vibration and Shock	Transport Information
	CINV-GL DIVI-GL		<u>Confirmation</u>		
Further information Siemens has decided to exit the Russian man https://press.siemens.com/global/en/pressreleas	rket (see here).				
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Siemens has decided to exit the Russian maintps://press.siemens.com/global/en/pressreleasters siemens is working on the renewal of the cull Please contact your local Siemens office on the EAC relevant market (other than the sanctioned Information on the packaging https://support.industry.siemens.com/cs/ww/en/vinformation- and Downloadcenter (Catalogs, https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation-automatical system (https://support.automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.cAtalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-automation.siemens.com/www.catalogs.com/information-autom	rket (see here). se/siemens-wind-dox rrent EAC certificat status of validity of t EAEU member stat view/109813875 Brochures,) talog/product?mlfb= Xorder/default.aspx? racteristics, FAQs, ps/3RA2220-1FD24- ion drawings, 3D m de.aspx?mlfb=3RA/	tes. the EAC es Russ <u>3RA222</u> <u>2lang=e</u>) <u>-0BB4</u> <u>10dels,</u> 2220-1F	ian-business certification if you intend sia or Belarus). 20-1FD24-0BB4 n&mlfb=3RA2220-1FD24 device circuit diagram: 5D24-0BB4⟨=en	d to import or offer to supp	oly these products to an









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