## **SIEMENS**

## **Data sheet**

3RE4122-3CA31-1FH3



STARTER, 3RE41223CA311FY0, WITH MODS

product brand name	Siemens		
product designation	Non-reversing motor starter		
special product feature	Hand-Off-Auto Selector Switch, CPT Std Capacity 480/240:120V		
General technical data			
weight [lb]	15 lb		
Height x Width x Depth [in]	12 × 10 × 6 in		
touch protection against electrical shock	NA for enclosed products		
installation altitude [ft] at height above sea level maximum	6 560 ft		
country of origin	Germany		
Power and control electronics			
number of poles for main current circuit	3		
type of voltage of the control supply voltage	AC		
control supply voltage			
• at AC at 50 Hz rated value	110 V		
at AC at 60 Hz rated value	120 V		
disconnector functionality	No		
yielded mechanical performance [hp] for 3-phase AC motor			
• at 200/208 V rated value	2 hp		
• at 220/230 V rated value	3 hp		
• at 460/480 V rated value	5 hp		
• at 575/600 V rated value	7.5 hp		
Contactor			
number of NO contacts for main contacts	3		
operating voltage for main current circuit at AC at 60 Hz maximum	600 V		
operating voltage at AC-3 rated value maximum	600 V		
mechanical service life (operating cycles) of the main contacts typical	30 000 000		
Auxiliary contact			
number of NC contacts for auxiliary contacts	1		
number of NO contacts for auxiliary contacts	1		
number of total auxiliary contacts maximum	8		
contact rating of auxiliary contacts of contactor according to UL	10A@600V(A600), 2.5A@600V(Q600)		
Coil			
apparent pick-up power of magnet coil at AC	67 VA		
apparent holding power of magnet coil at AC	6.5 VA		
operating range factor control supply voltage rated value of magnet coil	0.8 1.1		
ON-delay time	9 38 ms		
OFF-delay time	4 16 ms		
Overload relay			

product function	20		Voo			
overload protection     tost function	и		Yes Yes			
<ul><li>test function</li><li>external reset</li></ul>			Yes			
reset function			-	al automatic and romoto	(with entional accessory)	
	rmal avarland trip unit			Manual, automatic and remote (with optional accessory)		
	adjustment range of thermal overload trip unit			3.5 5		
	number of NC contacts of auxiliary contacts of overload relay		1			
	mber of NO contacts of auxiliary contacts of overload relay			1 FARCONIAC (BOON) 14 ROSENIDO (BOON)		
UL UL	contact rating of auxiliary contacts of overload relay according to UL			5A@600VAC (B600), 1A@250VDC (R300)		
Enclosure						
degree of protection NEI	MA rating of the enclosur	re	NEMA	3/3R/4/12 enclosure		
design of the housing			Dust- 8	& watertight for outdoor i	outdoor use	
Mounting/wiring						
mounting position			vertica	l		
fastening method			Surface mounting and installation			
type of electrical connec	ction for supply voltage lin	ne-side	Screw-type terminals			
tightening torque [lbf·in]	for supply		18 21 lbf-in			
type of connectable cond AWG cables single or m	ductor cross-sections at l oulti-stranded	line-side for	2x (16	12), 2x (14 8)		
temperature of the cond	perature of the conductor for supply maximum permissible		60 °C	60 °C		
material of the conducto	r for supply		CU			
type of electrical connec	ction for load-side outgoin	ig feeder	Screw-	Screw-type terminals		
tightening torque [lbf·in]	for load-side outgoing fee	eder	18 2	21 lbf·in		
	ductor cross-sections for eder single or multi-strar		2x (16	2x (16 12), 2x (14 8)		
temperature of the condemaximum permissible	temperature of the conductor for load-side outgoing feeder maximum permissible		60 °C			
material of the conducto	r for load-side outgoing for	eeder	CU			
type of electrical connec	tion of magnet coil		Screw-type terminals			
tightening torque [lbf·in]	at magnet coil		7 10 lbf-in			
type of connectable cond AWG cables single or m	ductor cross-sections of a pulti-stranded	magnet coil for	2x (16 12), 2x (14 8)			
temperature of the conde	uctor at magnet coil max	imum	75 °C			
material of the conductor at magnet coil			CU			
type of electrical connec	ction for auxiliary contacts	3	Screw-type terminals			
tightening torque [lbf·in]	at contactor for auxiliary	contacts	7 10 lbf·in			
	/pe of connectable conductor cross-sections at contactor for .WG cables for auxiliary contacts single or multi-stranded		2x (20 16), 2x (18 14)			
temperature of the condi- maximum permissible	temperature of the conductor at contactor for auxiliary contacts maximum permissible		75 °C			
	r at contactor for auxiliar	•	CU			
contacts	type of electrical connection at overload relay for auxiliary contacts			Screw-type terminals		
tightening torque [lbf·in] at overload relay for auxiliary contacts		7 10 lbf-in				
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded		2x (20 16), 2x (18 14)				
temperature of the conductor at overload relay for auxiliary contacts maximum permissible		70 °C				
	material of the conductor at overload relay for auxiliary contacts			CU		
Short-circuit current rating						
design of the fuse link for short-circuit protection of the main circuit required			Class J			
design of the short-circuit trip		Thermal magnetic circuit breaker				
maximum short-circuit current breaking capacity (lcu)		<b>.</b>	714			
• at 240 V		5 kA				
• at 480 V			5 kA			
			5 kA			
certificate of suitability  UL 60947-4-1						
Approvals Certificates  General Product Ap-						





## Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=3RE4122-3CA31-1FH3

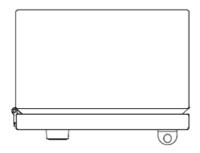
Search Datasheet in Service&Support (Manuals)

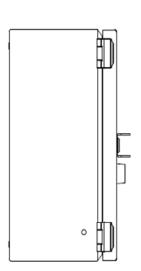
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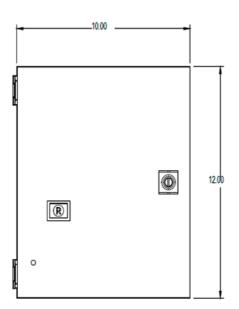
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-3CA31-1FH3&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-3CA31-1FH3&lang=en</a>

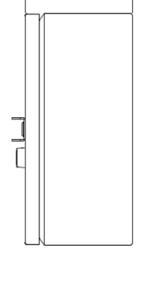
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-3CA31-1FH3/certificate

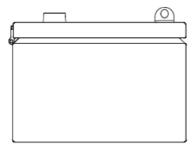








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