## **SIEMENS**

## **Data sheet**

3RE4122-3CA31-1HH3





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		
<ul> <li>at 220/230 V rated value</li> </ul>	3 hp		
• at 460/480 V rated value	5 hp		
<ul> <li>at 575/600 V rated value</li> </ul>	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			

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product function			.,			
overload protection	n		Yes			
<ul> <li>test function</li> </ul>			Yes			
external reset			Yes			
reset function			Manua	l, automatic and remote	e (with optional accessory)	
adjustment range of the	rmal overload trip unit		5.5 8			
number of NC contacts	of auxiliary contacts of ov	erload relay	1			
number of NO contacts	of auxiliary contacts of ov	rerload relay	1			
contact rating of auxiliar	ry contacts of overload rel	ay according to	5A@60	00VAC (B600), 1A@250	OVDC (R300)	
Enclosure			_	_		
	MA rating of the enclosur	Δ	NΕMΔ	3/3R/4/12 enclosure		
design of the housing	MA fatting of the effetosat	<u> </u>		watertight for outdoor		
Mounting/wiring			Dust- 0	watertight for outdoor t	use	
			vertice			
mounting position			vertica		U	
fastening method		.,		e mounting and installat	lion	
	ction for supply voltage lin	e-side		type terminals		
tightening torque [lbf·in]				1 lbf·in		
AWG cables single or m			2x (16 12), 2x (14 8)			
temperature of the cond	luctor for supply maximun	n permissible	60 °C			
material of the conducto	or for supply		CU			
type of electrical connec	ction for load-side outgoin	g feeder	Screw-	type terminals		
tightening torque [lbf·in]	for load-side outgoing fee	eder	18 2	1 lbf·in		
	ductor cross-sections for eeder single or multi-stran		2x (16 12), 2x (14 8)			
temperature of the cond maximum permissible	luctor for load-side outgoi	ng feeder	60 °C			
material of the conducto	or for load-side outgoing fe	eeder	CU			
type of electrical connec	ction of magnet coil		Screw-	type terminals		
tightening torque [lbf·in]	at magnet coil		7 10	lbf-in		
type of connectable con AWG cables single or m	iductor cross-sections of r	magnet coil for	2x (16 12), 2x (14 8)			
temperature of the cond permissible	luctor at magnet coil maxi	mum	75 °C			
material of the conducto	or at magnet coil		CU			
type of electrical connec	ction for auxiliary contacts		Screw-	type terminals		
tightening torque [lbf·in]	at contactor for auxiliary	contacts	7 10	lbf·in		
31	iductor cross-sections at o		2x (20	16), 2x (18 14)		
temperature of the cond maximum permissible	luctor at contactor for aux	iliary contacts	75 °C			
material of the conducto	or at contactor for auxiliary	/ contacts	CU			
type of electrical connection contacts	ction at overload relay for	auxiliary	Screw-	Screw-type terminals		
tightening torque [lbf·in]	tightening torque [lbf-in] at overload relay for auxiliary contacts		7 10	7 10 lbf·in		
type of connectable con-	iductor cross-sections at ciliary contacts single or mi	overload relay		16), 2x (18 14)		
	luctor at overload relay for		70 °C	70 °C		
	or at overload relay for aux	xiliary contacts	CU			
Short-circuit current rati	,	, , , , , , , , , , , , , , , , , , , ,				
	or short-circuit protection	of the main	Class J			
design of the short-circuit trip		Therm	Thermal magnetic circuit breaker			
maximum short-circuit current breaking capacity (Icu)		, north	mornar magnetic circuit breaker			
• at 240 V		5 kA	5 kA			
				5 kA		
				5 KA		
				5 KA UL 60947-4-1		
certificate of suitability  Approvals Certificates			OL 608	941-4-1		
General Product Ap-						
proval	Test Certificates	other		Dangerous Good	Environment	





## 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=3RE4122-3CA31-1HH3

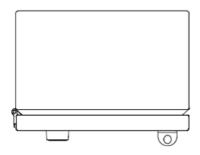
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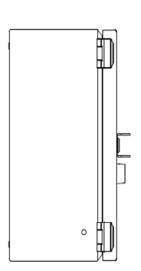
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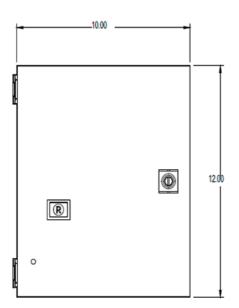
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-3CA31-1HH3&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-3CA31-1HH3&lang=en</a>

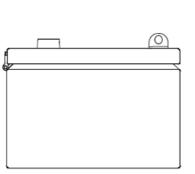
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-3CA31-1HH3/certificate









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