SIEMENS

Data sheet

3RE4122-7CA11-1GF6



STARTER, 3RE41227CA111GY0, WITH MODS

product brand name product designation Siemes Special product feature Seneral technical data weight [ib] Height X Width x Depth [in] 12 × 10 × 6 in touch protection against electrical shock installation altitude [fit] at height above sea level maximum country of origin AC Country at I AC at 60 Hz rated value 24 V 24 V 24 V 24 V 24 V 26 AC at 60 Hz rated value 24 V 26 Origin AC Origin				
special product feature General technical data weight [Ib] Height x Width x Depth [in] 12 x 10 x 6 in 13 x 10 x 6 in 14 x 10 x 6 in 15 x 10 x 6 in 15 x 10 x	product brand name	Siemens		
weight [Ib] 15 lb	product designation	Non-reversing motor starter		
weight [ib] Height x Width x Depth [in] 12 x 10 x 6 in 13 x 10 x 6 in 14 x 10 x 6 in 15 x 10 x	special product feature	Hand-Off-Auto Selector Switch		
Height x Wirdth 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 1/2 yes of voltage of the control supply voltage AC control supply voltage 4 AC control supply voltage 5 At AC at 50 Hz rated value 5 At 60 Hz rated value 6 At 60 Hz rated value 7 At 60 Hz rated value 7 At 60 Hz rated value 8 At 60 Hz rated value 9 At 60 Hz rated value 9 AT 60 Hz rated value 10 hp 10	General technical data			
touch protection against electrical shock installation altitude (II) at height above sea level maximum country of origin Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage • at AC at 50 Hz rated value • at 200/208 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 200/308 V rated value • at 200/308 V rated value • at 575/600 V rated value • at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	weight [lb]	15 lb		
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 24 V • at AC at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 10 hp • at 250/230 V rated value 20 hp • at 460/480 V rated value 20 hp • at 480/480 V rated value 25 hp Contactor number of NO contacts for main contacts 30 coperating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC 8.5 VA operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	Height x Width x Depth [in]	12 × 10 × 6 in		
Country of origin Germany Power and control electronics Inumber of poles for main current circuit Itype of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at 200/208 V rated value • at 2200/230 V rated value • at 2200/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 200/230 V rated value • at 300 volume of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical Auxillary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 100/0600V(A600), 2.5A@600V(Q600) Coil apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 3 ON-delay time 4 16 ms	touch protection against electrical shock	NA for enclosed products		
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at AC at 50 Hz rated value at AC at 60 Hz rated value 24 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 10 hp at 220/230 V rated value 10 hp at 460/480 V rated value 20 hp at 575/600 V rated value 25 hp Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical Auxiliary contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 number of NO 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 Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 24 V 4 V 4 United Set V No 10 hp 10 h	type of voltage of the control supply voltage	AC		
at AC at 60 Hz rated value disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value be at 575/600 V rated value contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of total auxiliary contacts maximum scontact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	control supply voltage			
disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 675/600 V rated value 20 hp • at 575/600 V rated value 25 hp Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO 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 Coil apparent pick-up power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 0 FF-delay time 4 16 ms	 at AC at 50 Hz rated value 	24 V		
yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 55/600 V rated value • at 55/600 V rated value • 20 hp • at 575/600 V rated value • 25 hp Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum accontact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum accontact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	at AC at 60 Hz rated value	24 V		
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at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 25 hp Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum Maxiliary contact number of NC contacts for auxiliary contacts number of NO 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 Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 10 hp 600 V 600 V 8	yielded mechanical performance [hp] for 3-phase AC motor			
at 460/480 V rated value bat 575/600 V rated value Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts maximum scontact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	at 200/208 V rated value	10 hp		
• at 575/600 V rated value 25 hp Contactor number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum 600 V mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil apparent pick-up power of magnet coil at AC 8.5 VA operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	• at 220/230 V rated value	10 hp		
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum soundact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	• at 460/480 V rated value	20 hp		
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	• at 575/600 V rated value	25 hp		
operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical 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 Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	Contactor			
maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical 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 Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 600 V 30 000 000 10 10 10 10 10 10 10 10 10 10 10 10 10 1	number of NO contacts for main contacts	3		
mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum 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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms		600 V		
Auxiliary contact number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 4 16 ms	operating voltage at AC-3 rated value maximum	600 V		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 1 1 1 1 1 1 1 1 1 1 1 1 1		30 000 000		
number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL 201 201 201 201 201 201 201 20	Auxiliary contact			
number of total auxiliary contacts maximum 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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 8 10A@600V(A600), 2.5A@600V(Q600) 79 VA 8.5 VA 0.8 1.1 8 OFF-delay time 8 40 ms OFF-delay time 4 16 ms	number of NC contacts for auxiliary contacts	1		
contact rating of auxiliary contacts of contactor according to UL 201 apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 10A@600V(A600), 2.5A@600V(Q600) 10A@600V(A600), 2.5A@600V(A600) 10A@600V(A600), 2.5A@600V(A600) 10A@600V(A600), 2.5A@600V(A600) 10A@600V(A600), 2.5A@600V(A600) 10A@600V(A600), 2.5A@600V(A600) 10A@600V(A600), 2.5A@600V(A600) 10A@600V(A600), 2.5A@600V(A600	number of NO contacts for auxiliary contacts	1		
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	number of total auxiliary contacts maximum	8		
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	contact rating of auxiliary contacts of contactor according to UL	10A@600V(A600), 2.5A@600V(Q600)		
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 4 16 ms	Coil			
operating range factor control supply voltage rated value of magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	apparent pick-up power of magnet coil at AC	79 VA		
magnet coil 8 40 ms ON-delay time 4 16 ms	apparent holding power of magnet coil at AC	8.5 VA		
OFF-delay time 4 16 ms		0.8 1.1		
	ON-delay time	8 40 ms		
Overload relay	OFF-delay time	4 16 ms		
	Overload relay			

product function						
 overload protection 	on		Yes			
 test function 			Yes			
external reset			Yes			
reset function			Manual, automatic and remote (with optional accessory)			
adjustment range of the	rmal overload trip unit		4.5 6	6.3		
	of auxiliary contacts of ov		1			
number of NO contacts	of auxiliary contacts of ov	erload relay	1			
contact rating of auxiliar UL	ry contacts of overload rel	ay according to	5A@60	00VAC (B600), 1A@250	OVDC (R300)	
Enclosure				_		
	MA rating of the enclosur	e	NEMA	3/3R/4/12 enclosure		
design of the housing	THE CHARLES OF THE CHOICEAN			& watertight for outdoor ι	use	
Mounting/wiring			Dust 6	x watertight for outdoor t		
mounting position			vertica	1		
fastening method					ion	
	etion for augusty voltage lin	a side		e mounting and installati	IOII	
	ction for supply voltage lin	e-side	18 2	type terminals		
tightening torque [lbf·in]		ing side for				
AWG cables single or m				12), 2x (14 8)		
	ductor for supply maximun	ı permissible	60 °C			
material of the conducto			CU			
	ction for load-side outgoin			type terminals		
tightening torque [lbf·in]	for load-side outgoing fee	eder	18 21 lbf·in			
	nductor cross-sections for eeder single or multi-stran		2x (16 12), 2x (14 8)			
temperature of the cond maximum permissible	ductor for load-side outgoi	ng feeder	60 °C			
material of the conducto	or for load-side outgoing fe	eder	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	nductor cross-sections of r nulti-stranded	nagnet coil for	2x (16 12), 2x (14 8)			
temperature of the cond permissible	ductor 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	nductor cross-sections at cry contacts single or multi-		2x (20	16), 2x (18 14)		
temperature of the cond maximum permissible	ductor at contactor for aux	iliary contacts	75 °C			
material of the conducto	or at contactor for auxiliary	/ contacts	CU			
type of electrical connection	ction at overload relay for	auxiliary	Screw-type terminals			
tightening torque [lbf-in] at overload relay for auxiliary contacts		7 10	7 10 lbf·in			
type of connectable con	nductor cross-sections at ciliary contacts single or mi	overload relay	2x (20	16), 2x (18 14)		
	ductor at overload relay for		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)						
			5 kA	5 kA		
● at 480 V			5 kA			
• at 600 V				5 kA		
certificate of suitability			UL 609	947-4-1		
Approvals Certificates			JL 003			
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=3RE4122-7CA11-1GF6

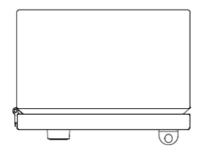
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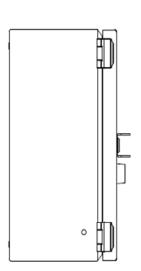
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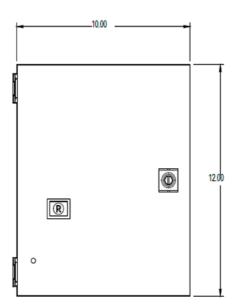
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4122-7CA11-1GF6&lang=en

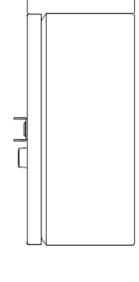
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-7CA11-1GF6/certificate

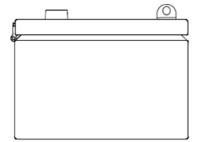








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