3RE4122-3CA31-4DH3

**Data sheet** 

STARTER, 3RE41223CA314DY0, 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			
<ul> <li>at AC at 50 Hz rated value</li> </ul>	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		
<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			

product function						
overload protection	on		Yes			
<ul> <li>test function</li> </ul>			Yes			
external reset			Yes			
reset function			Manua	al, automatic and remote	(with optional accessory)	
adjustment range of the	rmal overload trip unit		20 2	25		
number of NC contacts	of auxiliary contacts of ov	erload relay	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@6	00VAC (B600), 1A@250	OVDC (R300)	
Enclosure			_			
	MA rating of the enclosur	Δ	NEMA	3/3R/4/12 enclosure		
design of the housing	MA rating of the enclosur			& watertight for outdoor i	A SULFA	
Mounting/wiring			Dust- (	x watertight for outdoor t	use	
			vertice	1		
mounting position			vertica			
fastening method				e mounting and installat	ion	
	ction for supply voltage lin	e-side		-type terminals		
tightening torque [lbf·in]				21 lbf·in		
type of connectable con AWG cables single or m	nductor cross-sections at li nulti-stranded	ine-side for		12), 2x (14 8)		
temperature of the cond	ductor 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	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	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	nductor cross-sections of r	nagnet coil for	2x (16 12), 2x (14 8)			
temperature of the cond	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		
<b>31</b>	nductor cross-sections at only 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	CU		
Short-circuit current rati	-	, , , , , , , , , , , , , , , , , , , ,				
	or short-circuit protection of	of the main	Class	Class J		
design of the short-circuit trip			Therm	Thermal magnetic circuit breaker		
maximum short-circuit current breaking capacity (Icu)		71101111	mornal magnetic orealt breaker			
		5 kA	5 kA			
	• at 480 V 5 kA					
● at 480 V		5 KA 5 KA				
				5 KA JL 60947-4-1		
certificate of suitability  Approvals Certificates			OL 608	741-4-1		
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=3RE4122-3CA31-4DH3

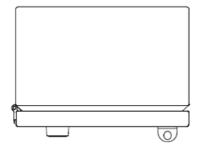
Search Datasheet in Service&Support (Manuals)

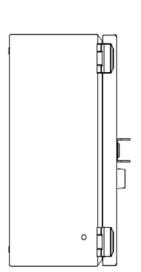
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-3CA31-4DH3/man

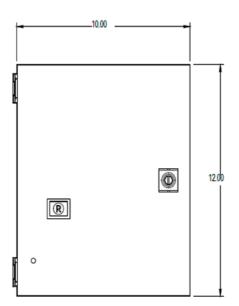
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-3CA31-4DH3&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-3CA31-4DH3&lang=en</a>

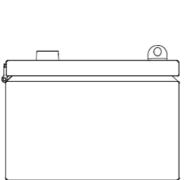
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-3CA31-4DH3/certificate









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