## **SIEMENS**

## **Data sheet**

3RE4122-8CA31-1JF6





product brand name	Siemens
product designation	Non-reversing motor starter
special product feature	Hand-Off-Auto Selector Switch
General technical data	That of the second of the seco
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	10 hp
● at 220/230 V rated value	10 hp
• at 460/480 V rated value	25 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
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	79 VA
apparent holding power of magnet coil at AC	8.5 VA
operating range factor control supply voltage rated value of magnet coil	0.8 1.1
ON-delay time	8 40 ms
OFF-delay time	4 16 ms
Overload relay	

overload protection         • overload protection         • test function         • external reset     reset function         adjustment range of thermal overload to number of NC contacts of auxiliary contacts of auxiliary contacts of auxiliary contacts at rating of auxiliary contacts of ovul.    Enclosure   degree of protection NEMA rating of the design of the housing	tacts of overload relay tacts of overload relay verload relay according to e enclosure  voltage line-side votage line-side for v maximum permissible	Yes Yes Yes Manual, automatic and remote (with optional accessory) 7 10 1 1 5A@600VAC (B600), 1A@250VDC (R300)  NEMA 3/3R/4/12 enclosure Dust- & watertight for outdoor use  vertical Surface mounting and installation Screw-type terminals 18 21 lbf·in 2x (16 12), 2x (14 8)
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for load-side outgoing feeder single or r temperature of the conductor for load-s maximum permissible material of the conductor for load-side of	utgoing feeder	18 21 lbf·in
maximum permissible material of the conductor for load-side of		2x (16 12), 2x (14 8)
	ide outgoing feeder	0° C
type of electrical connection of magnet	outgoing feeder	CU
Type of electrical confliction of magnet	coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil		7 10 lbf·in
type of connectable conductor cross-se AWG cables single or multi-stranded	ections of magnet coil for	2x (16 12), 2x (14 8)
temperature of the conductor at magne permissible	t coil maximum	75 °C
material of the conductor at magnet coi	il	CU
type of electrical connection for auxiliar	y contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for	auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-se AWG cables for auxiliary contacts singl		2x (20 16), 2x (18 14)
temperature of the conductor at contact maximum permissible	•	75 °C
material of the conductor at contactor for	•	CU
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 (Icu)	
• at 240 V		5 kA
● at 480 V		5 kA
• at 600 V		5 kA
certificate of suitability		UL 60947-4-1
Approvals Certificates		
General Product Approval  Test Certific		





## 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=3RE4122-8CA31-1JF6

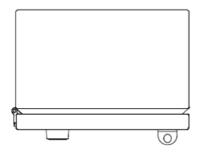
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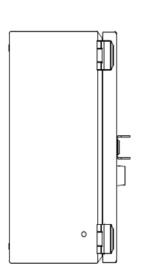
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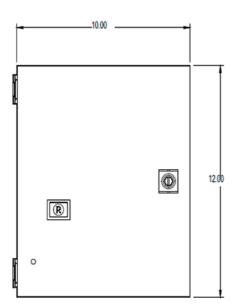
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-8CA31-1JF6&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-8CA31-1JF6&lang=en</a>

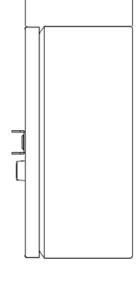
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA31-1JF6/certificate









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