## **SIEMENS**

## **Data sheet**

3RE4122-8CA11-4FB0



STARTER, 3RE41228CA114FB0, WITH MODS

product brand name	Siemens
product designation	Non-reversing motor starter
special product feature	Start-Stop Push Buttons
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>	24 V
<ul> <li>at AC at 60 Hz rated value</li> </ul>	24 V
disconnector functionality	No
yielded mechanical performance [hp] for 3-phase AC motor	
<ul><li>at 200/208 V rated value</li></ul>	10 hp
<ul><li>at 220/230 V rated value</li></ul>	10 hp
<ul><li>at 460/480 V rated value</li></ul>	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         • test function         • external reset     reset function         adjustment range of thermal overload trip unit         number of NC contacts of auxiliary contacts of or         number of NO contacts of auxiliary contacts of or         contact rating of auxiliary contacts of overload reful.  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage listightening torque [libf-in] for supply type of connectable conductor cross-sections at AWG cables single or multi-stranded temperature of the conductor for supply maximum material of the conductor for load-side outgoing tightening torque [libf-in] for load-side outgoing feetype of connectable conductor cross-sections for load-side outgoing feeder single or multi-strant temperature of the conductor for load-side outgoing feeder single or multi-strant temperature of the conductor for load-side outgoing type of electrical connection of magnet coil type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf-in] at contactor for auxiliary type of electrical connection for auxiliary contact tightening torque [lbf-in] at contactor for auxiliary type of connectable conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf-in] at contactor for auxiliary type of connectable conductor at contactor for auxiliary type of connectable conductor at contactor for auxiliary type of connectable conductor at contactor for auxiliary type of electrical connection at overload relay for contacts  The conductor at contactor for auxiliary type of electrical connection at overload relay for contacts  The conductor at contactor for auxiliary type of electrical co	ne-side line-side for m permissible ng feeder eeder r AWG cables nding feeder feeder feeder feeder magnet coil for	Yes Yes Manual, automatic and remote (with optional accessory) 28 40 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)  60 °C CU Screw-type terminals 18 21 lbf-in 2x (16 12), 2x (14 8)  60 °C CU Screw-type terminals 7 10 lbf-in 2x (16 12), 2x (14 8)
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type of electrical connection for load-side outgoin tightening torque [lbf·in] for load-side outgoing fee type of connectable conductor cross-sections for load-side outgoing feeder single or multi-strain temperature of the conductor for load-side outgoing maximum permissible material of the conductor for load-side outgoing type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf·in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi-temperature of the conductor at contactor for auximaximum permissible material of the conductor at contactor for auxiliary type of electrical connection at overload relay for	eeder r AWG cables nded bing feeder feeder magnet coil for	Screw-type terminals  18 21 lbf·in  2x (16 12), 2x (14 8)  60 °C  CU  Screw-type terminals  7 10 lbf·in  2x (16 12), 2x (14 8)
tightening torque [lbf·in] for load-side outgoing fee type of connectable conductor cross-sections for for load-side outgoing feeder single or multi-strain temperature of the conductor for load-side outgoing maximum permissible material of the conductor for load-side outgoing type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf·in] at contactor for auxiliary type of electrical connection for auxiliary contact tightening torque [lbf·in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi temperature of the conductor at contactor for auxiliary maximum permissible material of the conductor at contactor for auxiliary type of electrical connection at overload relay for	eeder r AWG cables nded bing feeder feeder magnet coil for	18 21 lbf-in 2x (16 12), 2x (14 8)  60 °C  CU  Screw-type terminals 7 10 lbf-in 2x (16 12), 2x (14 8)
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for load-side outgoing feeder single or multi-strain temperature of the conductor for load-side outgoing maximum permissible material of the conductor for load-side outgoing type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi-temperature of the conductor at contactor for auximum permissible material of the conductor at contactor for auxiliary type of electrical connection at overload relay for	nded ping feeder feeder magnet coil for	60 °C  CU  Screw-type terminals  7 10 lbf·in  2x (16 12), 2x (14 8)
maximum permissible material of the conductor for load-side outgoing type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil max permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi temperature of the conductor at contactor for aux maximum permissible material of the conductor at contactor for auxiliary type of electrical connection at overload relay for	feeder magnet coil for	CU Screw-type terminals 7 10 lbf·in 2x (16 12), 2x (14 8)
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tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil may permissible material of the conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf-in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi temperature of the conductor at contactor for aux maximum permissible material of the conductor at contactor for auxiliary type of electrical connection at overload relay for		7 10 lbf-in 2x (16 12), 2x (14 8)
type of connectable conductor cross-sections of AWG cables single or multi-stranded temperature of the conductor at magnet coil max permissible material of the conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf-in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi temperature of the conductor at contactor for auxiliary maximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for		2x (16 12), 2x (14 8)
AWG cables single or multi-stranded temperature of the conductor at magnet coil may permissible material of the conductor at magnet coil type of electrical connection for auxiliary contact tightening torque [lbf·in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multitemperature of the conductor at contactor for auxiliary maximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for		
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type of electrical connection for auxiliary contact tightening torque [lbf·in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multitemperature of the conductor at contactor for auximaximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for		70 0
tightening torque [lbf·in] at contactor for auxiliary type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi temperature of the conductor at contactor for auximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for		CU
type of connectable conductor cross-sections at AWG cables for auxiliary contacts single or multi temperature of the conductor at contactor for auximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for	S	Screw-type terminals
AWG cables for auxiliary contacts single or multi- temperature of the conductor at contactor for aux maximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for	contacts	7 10 lbf-in
maximum permissible material of the conductor at contactor for auxiliar type of electrical connection at overload relay for	i-stranded	2x (20 16), 2x (18 14)
type of electrical connection at overload relay for		75 °C
	•	CU
		Screw-type terminals
tightening torque [lbf·in] at overload relay for aux	•	7 10 lbf·in
type of connectable conductor cross-sections at for AWG cables for auxiliary contacts single or m	nulti-stranded	2x (20 16), 2x (18 14)
temperature of the conductor at overload relay for contacts maximum permissible		70 °C
material of the conductor at overload relay for au	uxiliary contacts	CU
Short-circuit current rating		
design of the fuse link for short-circuit protection circuit required	of the main	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 Certificates		





## 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=3RE4122-8CA11-4FB0

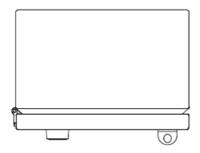
Search Datasheet in Service&Support (Manuals)

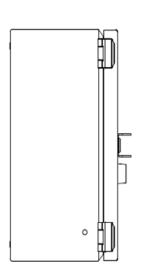
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA11-4FB0/man

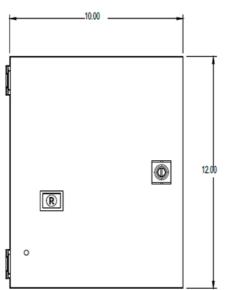
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-8CA11-4FB0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-8CA11-4FB0&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA11-4FB0/certificate









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