SIEMENS

Data sheet

3RE4122-5CA11-1GB0



STARTER, 3RE41225CA111GB0, WITH MODS

product designation special product feature Start-Stop Push Buttons General technical cata weight [ib] Height x Width x Depth [in] 12 x 10 x 6 in touch protection against electrical shock installation altitude [fit] at height above sea level maximum of 560 t country of origin Cermany Power and control solctronics number of poles for main current circuit 4 x 10 x 6 in type of voltage of the control supply voltage out of at 50 Hz rated value at AC at 50 Hz rated value 4 x 4 x 4 x 4 x 4 x 4 x 4 x 4 x 4 x 4 x		
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weight [ib] Height x Width x Depth [in] 12 x 10 x 6 in touch protection against electrical shock installation altitude [ft] at height above sea level maximum 6 550 ft country of origin Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage et at AC at 50 Hz rated value 1 at AC at 60 Hz rated value 2 4 V start act of Hz rated value 2 4 V disconnector functionality yleided mechanical performance [hp] for 3-phase AC motor 1 at 200/208 V rated value 2 at 200/208 V rated value 5 hp 1 at 200/208 V rated value 1 th 460/480 V rated value 1 to hp 2 at 576/600 V rated value 1 ft 5hp Contactor number of NO contacts for main contacts operating voltage of 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 NO contacts for auxiliary contacts 1 number of NO contact	special product feature	Start-Stop Push Buttons
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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 5 hp • at 250/230 V rated value 10 hp • at 250/230 V rated value 15 hp • at 575/600 V rated value 15 hp contactor number of NO contacts for main contacts 5 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 to NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of to NC contacts for auxiliary contacts 1 number of to 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 67 VA apparent holding power of magnet coil at AC 6.5 VA operating range factor control supply voltage rated value of magnet coil and AC 6.5 VA operating range factor control supply voltage rated value of magnet coil and AC 6.5 VA ON-delay time 9 38 ms OFF-delay time 4 16 ms	Height x Width x Depth [in]	12 × 10 × 6 in
Country of origin Power and control electronics Inumber of poles for main current circuit 1 type 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 300 voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum foor operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts poperating voltage at AC-3 rated value maximum for NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 operating of auxiliary contacts and auximum 8 contact 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 non-delay time 0 ON-delay time 4 ON-delay time 5 aC AC AC Contactor AC AC AC AC AC AC AC AC AC A	touch protection against electrical shock	NA for enclosed products
Power and control electronics number of poles for main current circuit type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value (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 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 600 V **Contactor** number of NC 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 for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for for contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC accordates for auxiliary contacts 1 number of NC auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL Oil Oil apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of mapparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of mapparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of mapparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of mapparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of mapparent pi	installation altitude [ft] at height above sea level maximum	6 560 ft
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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 460/480 V rated value at 460/480 V rated value at 5 hp at 575/600 V rated value 10 hp at 575/600 V rated value 5 hp contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts plustilary contact number of NO contacts for auxiliary contacts number of total auxiliary contacts of apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 9 38 ms OFF-delay time 4 16 ms	control supply voltage	
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yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 480/480 V rated value • at 5 hp • at 480/480 V rated value • at 575/600 V rated value 10 hp • at 575/600 V rated value Tontactor number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum about the main contacts typical Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts maximum a 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 9 38 ms OFF-delay time 4 16 ms	at AC at 60 Hz rated value	24 V
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• at 575/600 V rated value 15 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 Auxillary 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 6.5 VA apparent holding power of magnet coil at AC 6.5 VA operating range factor control supply voltage rated value of magnet coil ON-delay time 9 38 ms OFF-delay time 4 16 ms	• at 220/230 V rated value	5 hp
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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 9 38 ms OFF-delay time 4 16 ms	apparent pick-up power of magnet coil at AC	67 VA
magnet coil ON-delay time 9 38 ms OFF-delay time 4 16 ms	apparent holding power of magnet coil at AC	6.5 VA
OFF-delay time 4 16 ms		0.8 1.1
	ON-delay time	9 38 ms
Overload relay	OFF-delay time	4 16 ms
	Overload relay	

e overload protection • test function • external reset • yes • orange of hermal overload tip unit • 4.5 6.3 • number of NC contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to U. • Enclosure • deegree of protection NEMA rating of the enclosure vertical statening method vertical surface mounting and installation vertical surface mounting and	
external reset exeternal reset reset function adjustment range of thermal overload trip unit unumber of NC contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts design of the housing Mounting/wiring mounting position design of the housing Mounting/wiring mounting position dasterning method type of electrical connection for supply voltage line-side type of one-catable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply yape of electrical connection for load-side outgoing feeder type of connectable conductor for supply yape of electrical connection for load-side outgoing feeder stightening largue [libril ing to load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor at magnet coil type of electrical connection of auxiliary contacts single remaining torque [libril ing late outgoing feeder material of the conductor at magnet coil type of electrical connection of auxiliary contacts single remaining torque [libril ing late outgoing feeder advisible remaining torque [libril ing late outgoing feeder advised to the conduct	
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number of NO contacts of auxiliary contacts of overload relay according to U.L. Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting viring mounting position fastening method type of electrical connection for supply voltage line-side temperature of the conductor for supply maximum permissible for old-side outgoing feeder flightening torque [lbf-in] for load-side outgoing feeder flightening torque [lbf-in] at magnet coil type of connectable conductor for supply type of connectable conductor of load-side outgoing feeder maximum permissible material of the conductor of load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor of load-side outgoing feeder maximum permissible material of the conductor of load-side outgoing feeder maximum permissible material of the conductor at magnet coil material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts for connectable conductor at overload relay for auxiliary contacts for connectable conductor at overload relay for auxiliary contacts material of the conductor at overload relay for auxiliary contacts materi	
contact rating of auxiliary contacts of overload relay according to UL Enclosure degree of protection NEMA rating of the enclosure design of the housing Dust- & watertight for outdoor use Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side giphening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWO cables single or multi-stranded temperature of the conductor for supply maximum permissible giphening torque [lbf-in] for load-side outgoing feeder type of electrical connection for load-side outgoing feeder giphening torque [lbf-in] for load-side outgoing feeder sightening torque [lbf-in] for load-side outgoing feeder lemperature of the conductor for supply maximum permissible giphening torque [lbf-in] for load-side outgoing feeder lemperature of the conductor for load-side outgoing feeder lemperature of the conductor for load-side outgoing feeder maximum permissible lemperature of the conductor for load-side outgoing feeder lemperature of the conductor for load-side outgoing feeder maximum permissible lemperature of the conductor for load-side outgoing feeder lemperature of the conductor for load-side outgoing feeder lemperature of the conductor of magnet coil legithening torque [lbf-in] at magnet coil lemperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at oreal sections of magnet coil lemperature of the conductor at oreal sections of magnet coil lemperature of the conductor at contactor for auxiliary contacts lemperature of the conductor at contactor for auxiliary contacts lemperature of the conductor at contactor for auxiliary contacts lemperature of the conductor at overload relay for auxiliary contacts lemperature of the conductor at overload relay for auxiliary contacts lemperature	
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degree of protection NEMA rating of the enclosure design of the housing Dust & watertight for outdoor use Mounting/wiring	9
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design of the fuse link for short-circuit protection of the main circuit required	
circuit required	
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 other Dangerous Good Environment	nent





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=3RE4122-5CA11-1GB0

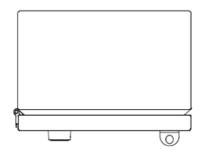
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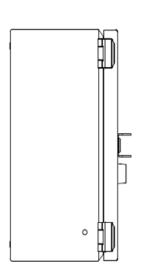
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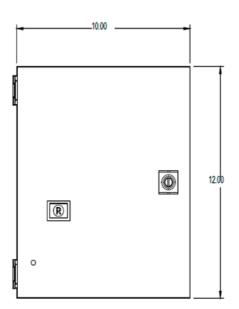
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4122-5CA11-1GB0&lang=en

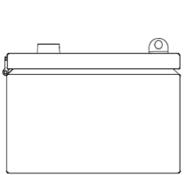
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-5CA11-1GB0/certificate









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