SIEMENS

Data sheet

3RE4122-7CA11-4CB0



STARTER, 3RE41227CA114CB0, WITH MODS

product brand name product designation Non-reversing motor starter Start-Stop Push Buttons General technical data weight [Ib] Height x Width x Depth [In] 12 x 10 x 6 in Non-reversing motor starter should protection against electrical shock Na for enclosed products installation allitude [fi] at height above sea level maximum country of origin Germany Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage control supply voltage 4 at AC at 50 Hz rated value 4 at AC at 50 Hz rated value 4 at AC at 60 Hz rated value 4 at 200/280 Y rated value 10 hp 10 hp 11 bp 12 bp 12 bp 13 bp 14 bp 15 bp 16 contacts 16 contacts for main contacts 25 hp 26 contacts 26 hp 27 contacts 27 contacts for main contacts 3 coperating voltage at AC-3 rated value maximum 600 V maximum poperating voltage at AC-3 rated value maximum 600 V maximum poperating voltage at AC-3 rated value at AC poperating voltage at AC-3 rated value at AC poperating range factor control supply voltage rated value of paparent holding power of magnet coil at AC poperating range factor control supply voltage rated value of paparent holding power of magnet coil at AC poperating range factor control supply voltage rated		
special product feature General technical data weight [b] Height x Width x Depth [in] 12 × 10 × 6 in touch protection against electrical shock Installation altitude [ft] at height above sea level maximum country of origin Cermany Power and control electronics number of poles for main current circuit 13 type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 24 V at AC at 60 Hz rated value 10 hp at 220/208 V rated value 10 hp at 320/208 V rated value 10 hp at 575/600 V rated value 25 hp Contactor number of NO contacts for main contacts yoperating voltage for main current circuit at AC at 60 Hz merchanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NO contacts for auxiliary contacts 1 number of NO contacts fo	product brand name	Siemens
Weight [Ib] 15 lb 12 v 10 × 6 in 10 touch protection against electrical shock NA for enclosed products installation altitude [It] at height above sea level maximum 6 550 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 AC control supply voltage 4 v 4 v 4 v 4 v 4 v 4 v 4 v 4 v 4 v 4	product designation	Non-reversing motor starter
weight [Ib] Height X Width X Depth [in] 12 × 10 × 6 in 13 × 10 × 6 in 14 × 10 × 6 in 15 × 10 × 6 in 15 × 10 × 6 in 16 × 10 × 6 in 17 × 10 × 6 in 18 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	special product feature	Start-Stop Push Buttons
Height x Width x Depth [in] touch protection against electrical shock Installation altitude [ft] at height above sea level maximum of 5650 ft country of origin Germany Power and control obstronics 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 60 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value • at 20/230 V rated value • at 20/230 V rated value • at 575/600 V rated value • at 675/600 V rated val	General technical data	
touch protection against electrical shock installation altitude (II) at height above sea level maximum country of origin Germany 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 3575/600 V rated value • at 4575/600 V rated value • at 575/600 V rated value • at 60 AV stard value stard 60 AV stard value • at 60 AV stard value stard 60 AV stard value • at 60 AV stard value stard 60 AV stard value • at 60 AV stard value stard 60 AV stard value value of value value of availary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2 AV stard value stard 60 AV s	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 50 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 25 hp • at 460/480 V rated value 25 hp Contactor number of NO contacts 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 NO contacts for auxillary contacts 1 number of NO cont	Height x Width x Depth [in]	12 × 10 × 6 in
country of origin Germany 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 60 Hz rated value • at AC at 60 Hz rated value 24 V disconnector functionality vielded 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 375/600 V rated value • at 575/600 V rated value • at 60 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 food V mechanical service life (operating cycles) of the main contacts stypical Auxillary contact number of NO contacts for auxillary contacts number of NO contacts for auxillary contacts 1 n	touch protection against electrical shock	NA for enclosed products
number of poles for main current circuit type of voltage of the control supply voltage	installation altitude [ft] at height above sea level maximum	6 560 ft
number of poles for main current circuit type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 24 V sta AC at 60 Hz rated value 24 V disconnector functionality ylelded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 10 hp at 220/230 V rated value 20 hp at 4575/600 V rated value 20 hp at 575/600 V rated value 25 hp Contactor number of NO contacts for main current circuit at AC at 60 Hz maximum 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 Auxillary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 4 16 ms	country of origin	Germany
type of voltage of the control supply voltage 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 220/230 V rated value 10 hp at 220/230 V rated value 20 hp at 460/480 V rated value 25 hp Contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value of the main contacts typical auxiliary contact number of NO contacts for auxiliary contacts 1 number of NO contacts for auxi	Power and control electronics	
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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 480/480 V rated value 20 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 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 1 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 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	type of voltage of the control supply voltage	AC
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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 475/600 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 mechanical service life (operating cycles) of 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 8 contact rating of auxiliary contacts of contactor according to UL Coil apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 0 H0 hp 10 hp 1	 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 575/600 V rated value • at 575/600 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 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 1 number of NO 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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 0 4 16 ms	at AC at 60 Hz rated value	24 V
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ontactor 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 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 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 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 0 FF-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 NO contacts for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Doll 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 0 600 V 100 V 10	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 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL 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 30 000 000 100 V 30 000 V 100	Contactor	
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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 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 0FF-delay time 30 000 000 1 10 000 000 1 10 000 000 1 10 000 000 10 1	· · · · · · · · · · · · · · · · · · ·	600 V
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 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 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 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 0FF-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(A6	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 0.8 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 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 10A@600V(A600), 2.5A@600V(Q600) 79 VA 8.5 VA 0.8 1.1 0.8 1.1 10A@600V(A600), 2.5A@600V(Q600)	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 OFF-delay time 0.8 1.1 8 40 ms 4 16 ms	apparent pick-up power of magnet coil at AC	79 VA
magnet coil ON-delay time 8 40 ms OFF-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	

	ay 1 ing to 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) ble 60 °C CU Screw-type terminals 18 21 lbf-in les 2x (16 12), 2x (14 8) 60 °C CU Screw-type terminals 7 10 lbf-in
• test function • external reset reset function adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload rel number of NO contacts of auxiliary contacts of overload rel contact rating of auxiliary contacts of overload relay accord UL 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 line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side fa AWG cables single or multi-stranded temperature of the conductor for supply maximum permiss material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cat for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of electrical connection for auxiliary contacts type of electrical connection for auxiliary contacts type of connectable conductor at magnet coil maximum permissible material of the conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	Yes Yes Manual, automatic and remote (with optional accessory) 17 22 ay 1 ay 1 sy 1 SA@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) ble 60 °C CU Screw-type terminals 18 21 lbf-in les 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
external reset reset function adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload rel number of NO contacts of auxiliary contacts of overload rel number of NO contacts of auxiliary contacts of overload rel contact rating of auxiliary contacts of overload relay accord UL 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 line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side fa AWG cables single or multi-stranded temperature of the conductor for supply maximum permiss material of the conductor for supply maximum permiss material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections for AWG cat for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of electrical connection for auxiliary contacts type of electrical connection for auxiliary contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	Yes Manual, automatic and remote (with optional accessory) 17 22 ay 1 ay 1 ing to 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) ble 60 °C CU 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 18 21 lbf-in 2x (16 12), 2x (14 8) 60 °C CU CU Screw-type terminals 7 10 lbf-in 2x (16 12), 2x (14 8) 75 °C CU CU
reset function adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload rel number of NO contacts of auxiliary contacts of overload rel contact rating of auxiliary contacts of overload rel contact rating of auxiliary contacts of overload relay accord UL 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 line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side fa AWG cables single or multi-stranded temperature of the conductor for supply maximum permiss material of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections for AWG cab for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of celectrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts	Manual, automatic and remote (with optional accessory) 17 22 ay 1 ay 1 ing to 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) ble 60 °C CU 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) 75 °C CU CU
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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 line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side fa AWG cables single or multi-stranded temperature of the conductor for supply maximum permiss material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cat for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable 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 type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	Vertical Surface mounting and installation Screw-type terminals 18 21 lbf-in 2x (16 12), 2x (14 8) ble 60 °C CU 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
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AWG cables single or multi-stranded temperature of the conductor for supply maximum permiss material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cat for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet co 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 contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	ble 60 °C CU Screw-type terminals 18 21 lbf·in les 2x (16 12), 2x (14 8) 60 °C CU Screw-type terminals 7 10 lbf·in il for 2x (16 12), 2x (14 8) 75 °C CU
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type of connectable conductor cross-sections for AWG cab for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet co 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 contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	2x (16 12), 2x (14 8) 60 °C CU Screw-type terminals 7 10 lbf·in 2x (16 12), 2x (14 8) 75 °C CU
for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet co 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 contacts type of connectable conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts type of electrical connection at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	60 °C CU Screw-type terminals 7 10 lbf-in 2x (16 12), 2x (14 8) 75 °C CU
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet co 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 contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary cont maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	CU Screw-type terminals 7 10 lbf-in 2x (16 12), 2x (14 8) 75 °C CU
type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet co 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 contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary cont maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	Screw-type terminals 7 10 lbf-in 2x (16 12), 2x (14 8) 75 °C CU
tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet co 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 contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	7 10 lbf·in 2x (16 12), 2x (14 8) 75 °C CU
type of connectable conductor cross-sections of magnet 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 contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	2x (16 12), 2x (14 8) 75 °C CU
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 contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	75 °C
permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contaximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	CU
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type of connectable conductor cross-sections at contactor AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary cont maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts	
ÁWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary cont maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	7 10 lbf·in
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	
type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	
contacts tightening torque [lbf-in] at overload relay for auxiliary contacts	CU
	Screw-type terminals
type of connectable conductor cross-sections at overload r	
for AWG cables for auxiliary contacts single or multi-strand	ed
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	70 °C
material of the conductor at overload relay for auxiliary con	tacts CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the mai 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 Certificates other	





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=3RE4122-7CA11-4CB0

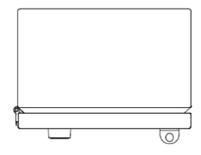
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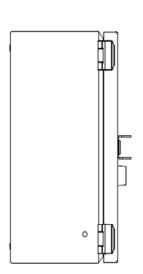
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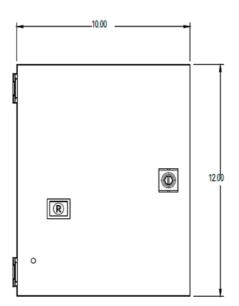
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4122-7CA11-4CB0&lang=en

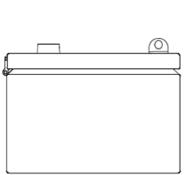
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-7CA11-4CB0/certificate









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