SIEMENS

Data sheet

3RE4122-8CA31-4BF6



STARTER, 3RE41228CA314BY0, WITH MODS

product brand name product designation special product feature Hand-Off-Auto Selector Switch Ceneral technical data weight [Ib] Height x Width x Depth [in] 12 x 10 x 6 in No for enclosed products installation altitude [fit] at height above sea level maximum country of origin Germany Power and control electronics number of poles for main current circuit type of voltage of the control supply voltage out of a 10 Nz rated value at 10 V at AC at 60 Hz rated value at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value be at 480/480 V rated value at 35 hp at 57/5000 V rated value be at 57/5000 V rated value contact for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at 3000 V maximum operating voltage for main current circuit contactor number of NO contacts for main contacts yopical Auxiliary contact number of NC contacts for auxiliary contacts 1		
special product feature General technical data weight [B] Height x Width x Depth [in] 12 × 10 × 6 in 12 × 10 × 6 in touch protection against electrical shock Installation altitude [ft] at height above sea level maximum country of origin Country of orig	product brand name	Siemens
Weight [Ib] 15 Ib Height x Width x Depth [In] 12 × 10 × 6 In touch protection against electrical shock NA for enclosed products installation altitude (fil 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 200/230 V rated value 25 hp • at 46/480 V rated value 25 hp • at 16/680 V rated value 25 hp • at 575/690 V rated value 25 hp • at 575/690 V rated value 26 hp • at 673 rated value 30 V rat	product designation	Non-reversing motor starter
weight [ib] Height x Width x Depth [in] 12 × 10 × 6 in touch protection against electrical shock installation altitude [it] at height above sea level maximum 6 560 ft country of origin Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage e at AC at 50 Hz rated value 110 V at AC at 50 Hz rated value 120 V disconnector functionality yeielded mechanical performance [in] for 3-phase AC motor at 200/208 V rated value 10 hp at 575/600 V rated value 25 hp at 575/600 V rated value 25 hp 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 mechanical service life (operating cycles) of the main contacts typical Ausifiary contact number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 NC NC dealy time 3 NC NC dealy time 4 16 ms	special product feature	Hand-Off-Auto Selector Switch
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 5806 ft country of origin Germany Power and control electronics Germany	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 et at AC at 50 Hz rated value 110 V at AC at 50 Hz rated value 120 V disconnector functionality yielded mechanical performance (Ip) for 3-phase AC motor at 200/208 V rated value 10 hp at 575/600 V rated value 25 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 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 2	weight [lb]	15 lb
Installation altitude [ft] at height above sea level maximum country of origin Power and control electronics number of poles for main current circuit type of voltage of the control supply voltage et at AC at 50 Hz rated value et AC at 60 Hz rated value 110 V et AC at 60 Hz rated value 120 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor et at 200/208 V rated value 10 hp et at 250/230 V rated value 25 hp et 375/600 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 mechanical service life (operating cycles) of the main contacts typical Auxillary contact number of NO contacts for auxillary contacts 1 number of NO contacts for auxillar	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 1 ype of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 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 25 hp • at 46,0480 V rated value 25 hp • at 575/600 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 maximum 9 operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 1 number of NO contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 4 number of NO contacts for auxiliary contacts 5 number of NO contacts for auxiliary contacts 6 number of NO contacts for auxiliary contacts 7 NO contact for auxiliary contacts of contacts for auxiliary c	touch protection against electrical shock	NA for enclosed products
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 50 Hz rated value 110 V • at AC at 50 Hz rated value 120 V disconnector functionality 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 480/480 V rated value • at 480/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 960 V maximum 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 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 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 auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts arcording to UL Oil apparent pick-up 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	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 110 V at AC at 60 Hz rated value 120 V disconnector functionality yleided mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 10 hp at 220/230 V rated value 25 hp at 4575/600 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 Auxiliary contact number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 4 number of NO contacts for auxiliary contacts 5 number of NO contacts for auxiliary contacts 6 number of NO contacts for auxiliary contacts 7 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 4 number of NO contacts for auxiliary contacts 5 number of NO contacts for auxiliary contacts 6 number of NO contacts for auxiliary contacts 7 number of NO contacts for auxiliary contacts 7 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 con	country of origin	Germany
type of voltage of the 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 220/230 V rated value 10 hp at 220/230 V rated value 25 hp at 450/480 V rated value 25 hp at 575/600 V rated value 25 hp contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operating of NO contacts for auxiliary contacts 1 number of total auxiliary contacts or contact or according to UL Coil apparent pick-up power of magnet coil at AC 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	Power and control electronics	
control supply voltage at AC at 50 Hz rated value 110 V at AC at 50 Hz rated value 120 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 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 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum foo V mechanical service life (operating cycles) of the main contacts typical 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 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 apparent range factor control supply voltage rated value of magnet coil ON-delay time 4 16 ms	number of poles for main current circuit	3
at AC at 50 Hz rated value at AC at 60 Hz rated value 120 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 25 hp at 575/600 V rated value 25 hp Tumber of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum 30 operating voltage at AC-3 rated value maximum 4 mechanical service life (operating cycles) of the main contacts 4 typical Auxiliary contact number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 20 coil apparent holding power of magnet coil at AC 3 p VA apparent holding power of magnet coil at AC 4 y VA apparent holding power of magnet coil at AC 5 y VA operating range factor control supply voltage rated value of magnet coil NON-delay time 8 40 ms OFF-delay time 4 16 ms	type of voltage of the control supply voltage	AC
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 be at 575/600 V rated value 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 number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO 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 8 40 ms OFF-delay time 4 16 ms	control supply voltage	
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 4575/600 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 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 operating range factor control supply voltage rated value of magnet coil ON-delay time 0 H0 hp 10	 at AC at 50 Hz rated value 	110 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 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 NC contacts for auxiliary contacts 1 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 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 10 hp 10	at AC at 60 Hz rated value	120 V
at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value 25 hp at 575/600 V rated value 25 hp onumber 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 Auxiliary contact number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of total auxiliary contacts number of total auxiliary contacts for auxiliary contacts 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 0.8 40 ms OFF-delay time 10 hp 10 h	disconnector functionality	No
at 220/230 V rated value at 460/480 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 operating voltage at AC-3 rated value maximum Maxiliary contact 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 operating range factor control supply voltage rated value of magnet coil ON-delay time 0 FF-delay time 10 hp 10 hp 25 hp 25 hp 26 hp 26 hp 27 hp 38 hp 39 hp 30 NO V 40 NO 4	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 V rated value bat 575/600 V rated value 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 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 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	• at 200/208 V rated value	10 hp
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 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 8 40 ms OFF-delay time 2 600 V 600	• 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 4 16 ms	• at 460/480 V rated value	25 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 NC 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 0 # 16 ms	● 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 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 600 V 30 000 000 100 V	Contactor	
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 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 OFF-delay time 600 V 30 000 000 10 000 000 10 000 000 10 000 00	number of NO contacts for main contacts	3
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 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 40 ms OFF-delay time 4 16 ms		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 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 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 201 201 201 201 201 201 201 20	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 operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 79 VA 8.5 VA 0.8 1.1 8 40 ms 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 0.8 1.1 8 40 ms OFF-delay time 4 16 ms	apparent pick-up power of magnet coil at AC	79 VA
magnet coil 8 40 ms ON-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	

adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to 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 for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder temperature of the conductor for oss-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil sorew-ty tightening torque [lbf-in] at magnet coil sorew-ty tightening torque [lbf-in] at magnet coil type of electrical connection for auxiliary contacts type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts type of connectable conductor ross-sections at contactor for 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 screw-ty contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for au	2), 2x (14 8) terminals -in 2), 2x (14 8) terminals
● external reset reset function ● external reset reset function adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to 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 [libf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables in the conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply 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 type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor at magnet coil type of electrical connection of magnet coil type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil type of electrical connection for auxiliary contacts type of electrical connection for auxiliary contacts type of electrical connection 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 overlo	AC (B600), 1A@250VDC (R300) R/4/12 enclosure tertight for outdoor use unting and installation terminals -in 2), 2x (14 8) terminals -in 2), 2x (14 8)
external reset reset function adjustment range of thermal overload trip unit adjustment range of thermal overload trip unit 14 20 number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to 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 for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor rorss-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil screw-ty tightening torque [lbf-in] at magnet coil type of connectable conductor 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 type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables single or multi-stranded temperature of the conductor at magnet coil type of electrical connection 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	AC (B600), 1A@250VDC (R300) R/4/12 enclosure tertight for outdoor use unting and installation terminals -in 2), 2x (14 8) terminals -in 2), 2x (14 8)
reset function adjustment range of thermal overload trip unit adjustment range of thermal overload trip unit 14 20 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 contact rating of auxiliary contacts of overload relay according to 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 type of electrical connection for supply voltage line-side of AWG cables single or multi-stranded temperature of the conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder the connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor rorss-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil type of connectable conductor rorss-sections at contactor for AWG cables for auxiliary contacts type of electrical connection for auxiliary contacts type of connectable conductor at magnet coil type of connectable conductor at contactor for auxiliary contacts type of electrical connection at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor	AC (B600), 1A@250VDC (R300) R/4/12 enclosure tertight for outdoor use unting and installation terminals -in 2), 2x (14 8) terminals -in 2), 2x (14 8)
adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to 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 [libf-in] for supply tightening torque [libf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible material or the conductor for load-side outgoing feeder tightening torque [libf-in] for load-side outgoing feeder type of connectable conductor rorss-sections for AWG cables for load-side outgoing feeder stream at the conductor for load-side outgoing feeder stream at the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder stream at the conductor of magnet coil screw-ty tightening torque [libf-in] at magnet coil type of electrical connection of magnet coil screw-ty tightening torque [libf-in] at contactor for auxiliary contacts screw-ty tightening torque [libf-in] at contactor for auxiliary contacts smaximum permissible material of the conductor at contactor for auxiliary contacts smaximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maxi	AC (B600), 1A@250VDC (R300) R/4/12 enclosure tertight for outdoor use unting and installation terminals -in 2), 2x (14 8) terminals -in 2), 2x (14 8)
number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to the contact rating of auxiliary contacts of overload relay according to the contact rating of auxiliary contacts of overload relay according to the contact rating of auxiliary contacts of overload relay according to the conductor of auxiliary contacts of overload relay according to the conductor at contacts by the conductor at contacts by the conductor of auxiliary contacts type of electrical connection for supply voltage line-side of the conductor for supply the conductor of according to the conductor for supply maximum permissible of conductor for supply for according to the conductor for supply maximum permissible of conductor for supply for load-side outgoing feeder or connectable conductor for load-side outgoing feeder or law conductor for load-side outgoing feeder for load-side outgoing feeder for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder of conductor the conductor for load-side outgoing feeder of conductor the conductor of load-side outgoing feeder of conductor of load-side outgoing fe	R/4/12 enclosure tertight for outdoor use unting and installation terminals -in 2), 2x (14 8) terminals -in 2), 2x (14 8)
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contacts maximum permissible	S), 2x (18 14)
material of the conductor at overload relay for auxiliary contacts	
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required Class J	
maximum short-circuit current breaking capacity (Icu)	agnetic circuit breaker
• at 240 V 5 kA	agnetic circuit breaker
• at 480 V 5 kA	agnetic circuit breaker
• at 600 V 5 kA	agnetic circuit breaker
certificate of suitability UL 6094	
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=3RE4122-8CA31-4BF6

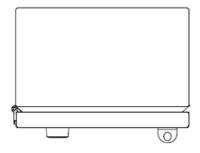
Search Datasheet in Service&Support (Manuals)

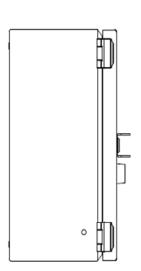
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA31-4BF6/man

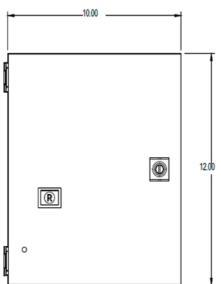
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4122-8CA31-4BF6&lang=en

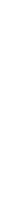
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA31-4BF6/certificate









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