## **SIEMENS**

## **Data sheet**

3RE4122-8CA31-4PF6



STARTER, 3RE41228CA314PY0, 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 at 3000 V maximum operating voltage for main current circuit at 3000 V 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 apparent holding 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-cleak time OCF-cleak time OCF-cleak time OCF-cleak time OCF-cleak time OCF-cleak time		
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 16/680 V rated value 36 hp • at 200/230 V rated value 36 hp • at 200/230 V rated value 36 hp • at 200/230 V rated value 37 hp • at 575/690 V rated value 38 hp • at 67-3600 V rated value 38 hp • at 67-3600 V rated value 39 hp • at 67-3600 V rated value 30 hp • at 67-3600 V rated value 40 hp • at 67-3600 V rated 40 hp • at 67-3600	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 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 co	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  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 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 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	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 coording 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 at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  operating voltage iffe (operating cycles) of the main contacts typical  Auxiliary contact  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	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 operating range factor control supply voltage rated value of magnet coil at AC  30 operating range factor control supply voltage rated value of magnet coil at AC  4	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  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 maximum  mechanical service life (operating cycles) of the main contacts typical  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  1 number of total auxiliary contacts maximum  8 contact rating of auxiliary contacts of contact of contacts of contact of the contact of	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	<ul> <li>at AC at 50 Hz rated value</li> </ul>	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  ON-delay time  8  10 hp	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 of total auxiliary contacts of contacts 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  10 hp 10	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 or 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  10 hp  600 V  600 V  600 V  70 VA  8 40 ms  OFF-delay time  10 hp  600 V	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	

product function	liary contacts of ove liary contacts of ove acts of overload rela	erload relay by according to	Yes Yes Yes Manual, automatic and remote (with optional accessory) 30 36 1 1 5A@600VAC (B600), 1A@250VDC (R300)
test function     external reset     reset function     adjustment range of thermal over adjustment range of thermal over adjustment range of thermal over adjustment rating of auxiliary contact rating of the housing mounting/wiring mounting/wiring mounting position fastening method type of electrical connection for tightening torque [lbf-in] for suptype of connectable conductor	liary contacts of ove liary contacts of ove acts of overload rela	erload relay by according to	Yes Yes Manual, automatic and remote (with optional accessory) 30 36 1 1 5A@600VAC (B600), 1A@250VDC (R300)
external reset     reset function     adjustment range of thermal over the number of NC contacts of auxiliary contact rating of auxiliary contact design of the housing     Mounting/wiring     mounting position     fastening method     type of electrical connection for tightening torque [lbf-in] for suptype of connectable conductor	liary contacts of ove liary contacts of ove acts of overload rela	erload relay by according to	Yes  Manual, automatic and remote (with optional accessory) 30 36 1 1 5A@600VAC (B600), 1A@250VDC (R300)
reset function adjustment range of thermal over number of NC contacts of auxiliary contact rating of auxiliary contact design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for tightening torque [lbf-in] for suptype of connectable conductor	liary contacts of ove liary contacts of ove acts of overload rela	erload relay by according to	Manual, automatic and remote (with optional accessory) 30 36 1 1 5A@600VAC (B600), 1A@250VDC (R300)
adjustment range of thermal over number of NC contacts of auxiliary contacts of auxiliary contact rating of auxiliary contact design of the housing mounting/wiring mounting/wiring mounting position fastening method type of electrical connection for tightening torque [lbf-in] for suptype of connectable conductor	liary contacts of ove liary contacts of ove acts of overload rela	erload relay by according to	30 36 1 1 5A@600VAC (B600), 1A@250VDC (R300)
number of NC contacts of auxil number of NO contacts of auxil contact rating of auxiliary contact rating of auxiliary contact rating of auxiliary contact UL  Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for tightening torque [lbf·in] for suptype of connectable conductor	liary contacts of ove liary contacts of ove acts of overload rela	erload relay by according to	1 1 5A@600VAC (B600), 1A@250VDC (R300)
number of NO contacts of auxiliary contact rating of auxiliary contact UL  Enclosure  degree of protection NEMA ratidesign of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for tightening torque [lbf·in] for suptype of connectable conductor	liary contacts of ove acts of overload rela	erload relay by according to	1 5A@600VAC (B600), 1A@250VDC (R300)
contact rating of auxiliary contact UL  Enclosure  degree of protection NEMA rational design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for tightening torque [lbf·in] for suptype of connectable conductor	acts of overload rela	y according to	5A@600VAC (B600), 1A@250VDC (R300)
UL  Enclosure  degree of protection NEMA ration design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for tightening torque [lbf·in] for sup type of connectable conductor			
degree of protection NEMA rational design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for tightening torque [lbf·in] for suptype of connectable conductor	ing of the enclosure		NEMA 3/3R/4/12 enclosure
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for tightening torque [lbf·in] for sup	ing of the enclosure	:	NEMA 3/3R/4/12 enclosure
Mounting/wiring mounting position fastening method type of electrical connection for tightening torque [lbf-in] for sup type of connectable conductor			
mounting position fastening method type of electrical connection for tightening torque [lbf·in] for sup type of connectable conductor			Dust- & watertight for outdoor use
fastening method type of electrical connection for tightening torque [lbf in] for sup type of connectable conductor			
type of electrical connection for tightening torque [lbf·in] for sup type of connectable conductor			vertical
tightening torque [lbf-in] for sup			Surface mounting and installation
type of connectable conductor	r supply voltage line	e-side	Screw-type terminals
	pply		18 21 lbf·in
AWG cables single or multi-stra		ne-side for	2x (16 12), 2x (14 8)
temperature of the conductor for	or supply maximum	permissible	60 °C
material of the conductor for su	upply		CU
type of electrical connection for	r load-side outgoing	feeder	Screw-type terminals
tightening torque [lbf·in] for load	d-side outgoing feed	der	18 21 lbf·in
type of connectable conductor for load-side outgoing feeder si			2x (16 12), 2x (14 8)
temperature of the conductor for maximum permissible	or load-side outgoin	g feeder	60 °C
material of the conductor for loa	ad-side outgoing fee	eder	CU
type of electrical connection of	magnet coil		Screw-type terminals
tightening torque [lbf·in] at mag	net coil		7 10 lbf·in
type of connectable conductor AWG cables single or multi-stra		agnet coil for	2x (16 12), 2x (14 8)
temperature of the conductor a permissible	at magnet coil maxin	num	75 °C
material of the conductor at ma	agnet coil		CU
type of electrical connection for	r auxiliary contacts		Screw-type terminals
tightening torque [lbf·in] at cont	tactor for auxiliary c	ontacts	7 10 lbf-in
type of connectable conductor AWG cables for auxiliary conta			2x (20 16), 2x (18 14)
temperature of the conductor a maximum permissible	at contactor for auxil	iary contacts	75 °C
material of the conductor at con	-		CU
type of electrical connection at contacts	overload relay for a	uxiliary	Screw-type terminals
tightening torque [lbf-in] at overload relay for auxiliary contacts			7 10 lbf·in
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded		lti-stranded	2x (20 16), 2x (18 14)
temperature of the conductor a contacts maximum permissible	•		70 °C
material of the conductor at overload relay for auxiliary contacts		iliary contacts	CU
Short-circuit current rating			
design of the fuse link for short circuit required	t-circuit protection of	f the main	Class J
design of the short-circuit trip			Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)		cu)	
• 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	Certificates	other	Dangerous Good Environment





## 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=3RE4122-8CA31-4PF6

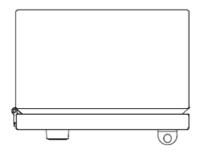
Search Datasheet in Service&Support (Manuals)

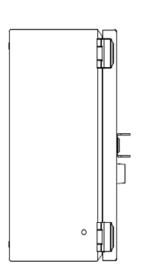
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA31-4PF6/man

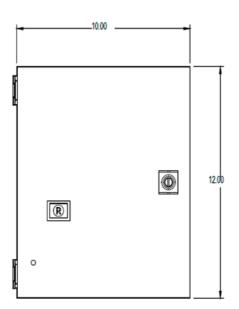
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-8CA31-4PF6&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-8CA31-4PF6&lang=en</a>

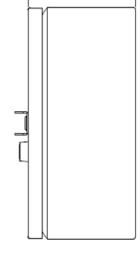
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-8CA31-4PF6/certificate

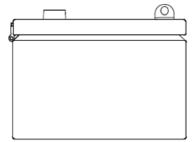








6.00



last modified: 4/15/2021 ☑