## **SIEMENS**

## **Data sheet**

3RE4122-7CA31-4EB0



STARTER, 3RE41227CA314EB0, WITH MODS

product brand name product designation special product feature Start-Stop Push Buttons  General technical data  weight [b] Height x Width x Depth [in] 12 x 10 x 6 in 13 x 10 x 6 in 14 x 10 x 6 in 15 x 10 x 6 in 16 x 10 x		
special product feature  General technical data  weight [b]  Height x Width x Depth [in]  12 × 10 × 6 in  10 vub protection against electrical shock  Na for enclosed products installation allitude [ft] at height above sea level maximum  country of origin  Germany  Fower 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  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 420/230 V rated value  20 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  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of NO cont	product brand name	Siemens
weight [b] 15 b Height x Width x Depth [in] 12 x 10 x 6 in Itouch 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 hype of voltage of the control supply voltage AC control supply voltage  • at AC at 50 Hz rated value 110 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 10 hp • at 200/208 V rated value 20 hp • at 460/480 V rated value 20 hp • at 460/480 V rated value 25 hp • at 575/600 V rated value 25 hp  mumber of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for final contacts 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 1 1 10A@600V(A600), 2.5A@600V(Q600)  Coil apparent pick-up power of magnet coil at AC 8.5 VA apparent pick-up oper of magnet coil at AC 8.5 VA apparent pick-up oper of magnet coil at AC 8.5 VA apparent pick-up apparent of magnet coil at AC 8.5 VA apparent pick-up apparent of magnet coil at AC 8.5 VA apparent pick-up apparent of magnet coil at AC 8.5 VA apparent pick-up apparent pick-up apparent of magnet coil at AC 8.5 VA apparent pick-up apparent pick-up apparent pick-up app	product designation	Non-reversing motor starter
weight [b] 15 lb Height X Width X Depth [in] 12 × 10 × 6 in touch protection against electrical shock NA for enclosed products installation attitude [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 4 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 4 at 200/208 V rated value 10 hp at 200/208 V rated value 10 hp at 200/208 V rated value 20 hp at 460/480 V rated value 20 hp at 460/480 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 600 V meximum 600 V meximum 600 V meximum 600 V meximum 70 NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 3 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts maximum 8 contact rating of auxiliary contacts maximum 8 accontact rating of auxiliary contacts maximum 8 apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil at AC apparent pick-up gover of magnet coil at AC apparent pick-up gover of magnet coil at AC apparent pick-up for magnet coil at AC apparent pick-u	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 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  disconnector functionality vielded mechanical performance [hp] for 3-phase AC motor • at 200/280 V rated value • at 460/480 V rated value • at 4575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 673 rated value • at 674 rated value • at 674 rated value • at 675/600 V rated value • at 675/600	General technical data	
touch protection against electrical shock installation altitude (if) 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 110 V • at AC at 50 Hz rated value 120 V disconnector functionality yielded mechanical performance (hp) for 3-phase AC motor • at 220/230 V rated value • at 220/230 V rated value • at 420/230 V rated value • at 45/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 60/480 V rated value • at 75/600 V rated value • at 75/600 V rated value • at 60/480 V rated value • at 60/480 V rated value • at 60/480 V rated value • at 75/600 V rated value • at 75/600 V rated value • at 75/600 V rated value • at 60/480 V rated value	weight [lb]	15 lb
installation altitude [ft] at height above sea level maximum Country of origin Country of origin Country of origin  Power and control electronics  number of poles for main current circuit 1ype of voltage of the control supply voltage ent AC at 50 Hz rated value 110 V  at AC at 50 Hz rated value 110 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 20 hp  at 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  Auxiliary contact  number of NO contacts for auxiliary contacts 1 number of NO contacts for au	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  120 V  disconnector functionality  vielded mechanical performance [np] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 475/600 V rated value  • at 575/600 V rated value  • at 675/600 V rated value  • at 675/600 V rated value  • at 675/600 V rated value  • at 670 contacts for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  soperating voltage at AC-3 rated value maximum  for NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts of contactor according to UL  coil  apparent pick-up power of magnet coil at AC  poerating range factor control supply voltage rated value of magnet coil  ON-delay time  4 16 ms	touch protection against electrical shock	NA for enclosed products
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 110 V  • at AC at 50 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 20 hp  • at 460/480 V rated value 20 hp  • 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 600 V  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 NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts for auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts of auxiliary contacts 1 number of NC othor contacts 1 number	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  at AC at 50 Hz rated value  at AC at 50 Hz rated value  110 V  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 450/480 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  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 auxiliary contacts 1 number of NC auxiliary contacts of 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 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  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 460/480 V rated value  20 hp  at 450/480 V rated value  25 hp  Contactor  number of NO contacts for main contacts yipical  number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of lotal auxiliary contacts of contactor according to UL  Coll  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 appar	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  vielded 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 460/480 V rated value  20 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  at a contact 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 total auxiliary contacts 1  number of total auxiliary contacts auxiliary contacts 1  number of total auxiliary contacts of contactor 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  apparent noting power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  0  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  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  operating voltage iffe (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 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  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  10 hp  at 220/230 V rated value  20 hp  at 460/480 V rated value  20 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  Auxiliary contact  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  8 40 ms  OFF-delay time	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 4675/600 V rated value • 26 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 600 V 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 Ho 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 457/600 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 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 8 40 ms OFF-delay time 4 16 ms	at AC at 60 Hz rated value	120 V
at 220/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value 20 hp 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 operating voltage at if (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 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  ON-delay time  4 16 ms	disconnector functionality	No
at 220/230 V rated value at 460/480 V rated value 20 hp 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 accontact 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 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  10 hp  600 V  600 V  79 VA 8 40 ms  OFF-delay time  10 hp  600 V  10 hp  600 V  10 hold 10 hold  10 hold	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 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 operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating voltage at in (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 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	<ul><li>at 200/208 V rated value</li></ul>	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 number of NC contacts for auxiliary contacts  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	<ul> <li>at 220/230 V rated value</li> </ul>	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 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  5 000 V 000 000 000 000 000 000 000 000 0	<ul><li>at 460/480 V rated value</li></ul>	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  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  3  600 V  600 V  7  8  10  10  10  10  10  10  10  10  10	<ul><li>at 575/600 V rated value</li></ul>	25 hp
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  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  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  600 V  30 000 000  1	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  apparent pick-up power of magnet coil at AC 79 VA 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 4 16 ms	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  Doil  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  30 000 000  1  Auxiliary contacts  1  1  1  1  1  1  1  1  1  1  1  1  1	· · · · · · · · · · · · · · · · · · ·	600 V
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  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  0FF-delay time  4 16 ms	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  0FF-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  8 40 ms	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         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	
overload protection	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote (with optional accessory)
adjustment range of thermal overload trip unit	22 32
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 3/3R/4/12 enclosure
design of the housing	Dust- & watertight for outdoor use
Mounting/wiring	Dust- a wateright for outdoor use
	vertical
mounting position	vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf-in] for supply	18 21 lbf-in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor for supply maximum permissible	60 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf-in] for load-side outgoing feeder	18 21 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor for load-side outgoing feeder maximum permissible	60 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	7 10 lbf·in
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf-in] at contactor for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16), 2x (18 14)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	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	2x (20 16), 2x (18 14)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	70 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	Class J
· ·	Thermal magnetic circuit breaker
design of the short-circuit trip	momai magnetic on out breaker
maximum short-circuit current breaking capacity (Icu)	5 kA
• at 240 V	
• at 480 V	5 kA
• at 600 V	5 kA
certificate of suitability Approvals Certificates	UL 60947-4-1
General Product Approval  Test 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=3RE4122-7CA31-4EB0

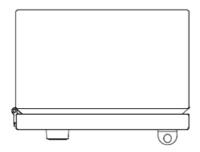
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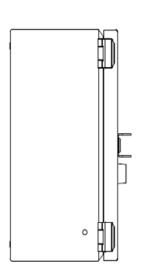
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-7CA31-4EB0/man

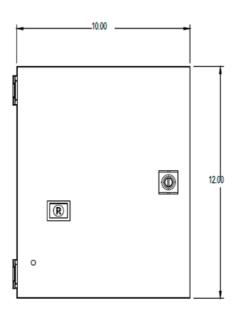
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-7CA31-4EB0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-7CA31-4EB0&lang=en</a>

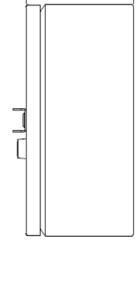
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-7CA31-4EB0/certificate









6.00



last modified: 4/15/2021 ☑