## **SIEMENS**

## **Data sheet**

3RE4121-5CA31-1KH3

STARTER, 3RE41215CA311KY0, WITH MODS



product designation special product feature  Hand-Off-Auto Selector Switch, CPT Std Capacity 480/240:120V  Genoral technical data  weight [tb] Height x Width x Depth [in] 12 x 10 x 6 in touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [Ft] during storage ambient temperature [Ft] during operation -22 +149 F ambient temperature during storage -30 +65 °C ambient temperature during storage -30 +65 °C ambient temperature during operation -20 +40 °C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage ontrol supply voltage •1 ct AC at 60 Hz rated value 110 V •1 AC at 60 Hz rated value 110 V •1 AC at 60 Hz rated value 120 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor •1 200/208 V rated value 11 AC at 60 Hz rated value 12 bp 13 hp 14 Special Control Special value 15 hp 15 hp 16 Special Control Special value 16 AC at 60 Hz rated value 17 Special Value 18 AC	product brand name	Siemens
weight [ib] 14 lb Height x Width x Depth [in] 12 x 10 x 6 in touch protection against electrical shock NA for enclosed products installation altitude [if] at height above sea level maximum 6 560 ft ambient temperature [if] during storage 2-22 +149 *F ambient temperature [if] during storage -30 +66 *C ambient temperature during storage -30 +66 *C ambient temperature during storage -30 +66 *C ambient temperature during operation -20 +40 *C 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 •1 at AC at 50 Hz rated value 110 V 4 at AC at 60 Hz rated value 120 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor •1 at 200/208 V rated value 2 hp •1 at 460/480 V rated value 3 hp •1 at 576/600 V rated value 5 hp •1 at 576/600 V rated value 5 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 600 V mechanical service life (operating cycles) of the main contacts typical number of NO contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 1 number of NO contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 1 number of NO contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 1 number of NO contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 1 numb	product designation	Non-reversing motor starter
weight [ib] 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	special product feature	Hand-Off-Auto Selector Switch, CPT Std Capacity 480/240:120V
Height x Width x Depth [in]  touch protection against electrical shock Installation altitude [it] at height above sea level maximum 6 560 ft ambient temperature ['F] during storage 22 +149 "F ambient temperature during storage 30 +65 "C ambient temperature during storage 30 +40 "C country of origin  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 60 Hz rated value 120 V disconnector functionality 1 at 20/208 V rated value 1 at 20/208 V rated value 1 at 40/408 V rated value 2 the at 575/600 V rated value 5 the 1 at 575/600 V rated value 5 the 1 at 575/600 V rated value 5 the 1 control spering voltage for main contacts 1 operating voltage at AC-3 rated value 2 maximum 1 operating voltage for main contacts 1 operating voltage for main contacts 1 operating voltage at AC-3 rated value 5 the 1 at 60/480 V rated value 5 the 1 at 60/480 V rated value 5 the 1 at 575/600 V rated value 5 the 1 contactor 1 contactor 1 contactor 1 contactor 1 contactor for Contacts for main contacts 1 operating voltage at AC-3 rated value maximum 6 000 V 1 contactor 1 contactor 1 contactor 1 contactor for Contacts for auxiliary contacts 1 contact rating of auxiliary contacts 1 contact rating of auxiliary contacts 1 contact rating of auxiliary contacts of contacts and contacts apparent holding power of magnet coil at AC 4 4 VA	General technical data	
touch protection against electrical shock installation altitude [II] at height above sea level maximum ambient temperature [FF] during storage ambient temperature [FF] during operation 4 +104 °F ambient temperature during storage 30 +65 °C ambient temperature during operation -20 +40 °C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 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 • at 460/480 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 • operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum  fool V mechanical service life (operating cycles) of the main contacts typical  Auxiliary contacts for auxiliary contacts number of NC contacts for	weight [lb]	14 lb
Installation altitude [ft] at height above sea level maximum ambient temperature [Ft] during storage ambient temperature (Ft) during operation ambient temperature during storage ambient temperature during storage ambient temperature during storage ambient temperature during storage ambient temperature during operation country of origin  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 [tp] for 3-phase AC motor at 200/208 V rated value 1.5 hp at 220/230 V rated value 2 hp at 460/480 V rated value 2 hp at 460/480 V rated value 3 hp at 55/600 V rated value 5 hp Contactor  number of NO contacts for main contacts operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical  Auxillary contact number of NO contacts for auxillary contacts number of total auxillary contacts maximum 60 contact rating of auxillary contacts of contactor according to UL Coll apparent holding power of magnet coil at AC 4,4 VA  apparent holding power of magnet coil at AC 4,4 VA	Height x Width x Depth [in]	12 × 10 × 6 in
ambient temperature ["F] during storage ambient temperature ("F] during operation ambient temperature during storage ambient temperature during storage ambient temperature during operation 2-0 +40 °C country of origin  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 60 Hz rated value 120 V disconnector functionality yielded mechanical performance (pp) for 3-phase AC motor at 20/208 V rated value 1.5 hp at 220/230 V rated value 2 hp at 450/480 V rated value 3 hp at 575/600 V rated value 5 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 number of total auxiliary contacts maximum 600 V contact rating of auxiliary contacts of contactor according to UL Coil apparent holding power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	touch protection against electrical shock	NA for enclosed products
ambient temperature ("F] during operation ambient temperature during storage ambient temperature during storage ambient temperature during operation 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 200/208 V rated value 1.5 hp at 480/480 V rated value 2 hp at 480/480 V rated value 5 hp at 480/480 V rated value 5 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 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 number of NC contacts for auxiliary contacts of contactor according to UL  Coil apparent holding power of magnet coil at AC 4.4 VA	installation altitude [ft] at height above sea level maximum	6 560 ft
ambient temperature during storage ambient temperature during operation country of origin  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 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 450/480 V rated value 2 hp at 450/480 V rated value 3 hp at 450/480 V rated value 5 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 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 contacts 100 V mechanical service life (operating cycles) of the main contacts typical number of NC contacts for auxiliary contacts number of N	ambient temperature [°F] during storage	-22 +149 °F
ambient temperature during operation -20 +40 °C 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 50 Hz rated value 120 V  disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 2 hp  • at 480/480 V rated value 3 hp  • at 575/600 V rated value 5 hp  Contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum 600 V  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 auxiliary contacts 1 number of total number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 3 number of NC contacts for auxiliary contacts 4 number of NC contacts for a	ambient temperature [°F] during operation	-4 +104 °F
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 200/208 V rated value 2 hp  • at 220/230 V rated value 2 hp  • at 460/480 V rated value 3 hp  • at 460/480 V rated value 5 hp  • at 75/600 V rated value 5 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 600 V  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 contact rating of auxiliary contacts of contactor according to UL apparent holding power of magnet coil at AC 2 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	ambient temperature during storage	-30 +65 °C
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 60 Hz rated value 120 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 220/208 V rated value 1 5 hp at 220/208 V rated value 2 hp at 460/480 V rated value 3 hp at 575/600 V rated value 5 hp  Contactor  number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical  Auxiliary contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	ambient temperature during operation	-20 +40 °C
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  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 46/3480 V rated value  • at 4575/600 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  • at 60 Hz 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  1  number of total auxiliary contacts maximum  6  contact rating of auxiliary contacts of contactor according to UL  26.4 VA  apparent holding power of magnet coil at AC  4.4 VA	country of origin	Germany
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  yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  1.5 hp  at 220/230 V rated value  2 hp  at 460/480 V rated value  3 hp  at 675/600 V rated value  5 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  number of NC contacts for auxiliary contacts  1 number of NC contacts for auxiliary contacts  1 number of NC contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  1 number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent holding power of magnet coil at AC  4.4 VA  4.4 VA	Power and control electronics	
control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 675/600 V rated value	number of poles for main current circuit	3
at AC at 50 Hz rated value at AC at 60 Hz rated value tizo V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value tizo v at 200/208 V rated value at 460/480 V rated value tizo v at 575/600 V rated value  tizo v at 575/600 V rated value  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 1 number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL  Coil apparent plok-up power of magnet coil at AC 4.4 VA  apparent holding power of magnet coil at AC 4.4 VA	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 575/600 V rated value  by 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  operating voltage for main current circuit at AC  100 V	control supply voltage	
disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 1.5 hp • at 220/230 V rated value 2 hp • at 460/480 V rated value 3 hp • at 575/600 V rated value 5 hp  Contactor  number of NO contacts for main contacts apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC at 200/208 V rated value 1.5 hp 1.5 hp 2 hp 2 hp 3 hp 6 on V 2 hp 6 on V 6 on V 6 on V 7 on V on	<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 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value  5 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 600 V mechanical service life (operating cycles) of the main contacts typical  Auxillary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 contact rating of auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600)  Coil apparent holding power of magnet coil at AC 4.4 VA	at AC at 60 Hz rated value	120 V
<ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>bp</li> </ul> Contactor number of NO contacts for main contacts <ul> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operating service life (operating cycles) of the main contacts typical</li> </ul> Auxiliary contact <ul> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> </ul> Coil <ul> <li>apparent pick-up power of magnet coil at AC</li> <li>4.4 VA</li> </ul> 4.4 VA <ul> <li>4.4 VA</li> </ul>	disconnector functionality	No
at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 5 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 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 4.4 VA	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 V rated value  at 575/600 V rated value  5 hp  Contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  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  4.4 VA	• at 200/208 V rated value	1.5 hp
other interval 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 for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     operating voltage for main current circuit at AC at 60 Hz     ope	• at 220/230 V rated value	2 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  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  4.4 VA	● at 460/480 V rated value	3 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  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  4.4 VA	• at 575/600 V rated value	5 hp
operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  4.4 VA	Contactor	
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  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  4.4 VA	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  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  4.4 VA		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  4.4 VA	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  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  4.4 VA		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  4.4 VA	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  4.4 VA	number of NC contacts for auxiliary contacts	0
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  26.4 VA  apparent holding power of magnet coil at AC  4.4 VA	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 4.4 VA	number of total auxiliary contacts maximum	6
apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  4.4 VA	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 4.4 VA	Coil	
	apparent pick-up power of magnet coil at AC	26.4 VA
operating range factor control supply voltage rated value of 0.8 1.1	apparent holding power of magnet coil at AC	4.4 VA
	operating range factor control supply voltage rated value of	0.8 1.1

Siemens

magnet coil	
ON-delay time	9 35 ms
OFF-delay time	3.5 14 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	9 12.5
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1 5A@600\/AC (B600\ 1A@250\/DC (B200\
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	
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	7 10 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (20 16), 2x (18 14), 2x 12
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	7 10 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (20 16), 2x (18 14), 2x 12
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 (20 16), 2x (18 14), 2x 12
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), 2x 12
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU Seconda transita de
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
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	5 kA
• at 480 V	5 kA
• at 600 V	5 kA
certificate of suitability	UL 60947-4-1

## Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

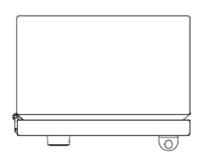
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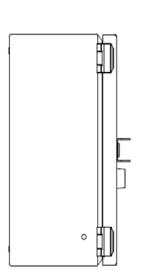
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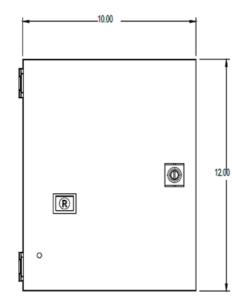
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4121-5CA31-1KH3&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4121-5CA31-1KH3&lang=en</a>

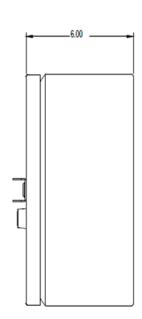
Certificates/approvals

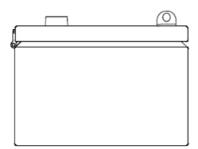
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4/15/2021

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