## **SIEMENS**

## **Data sheet**

3RE4122-7CA31-1KF6



STARTER, 3RE41227CA311KY0, WITH MODS

product designation product designation product feature product feature product feature product feature product feature product feature Hand-Off-Auto Selector Switch  General technical data  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 [fit] at height above sea level maximum of 56 80 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 at AC at 50 Hz rated value 110 V 1			
special product feature  General technical data  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 touch protection against electrical shock Installation altitude [ft] at height above sea level maximum 6 550 ft country of origin  Country of origin  Germany  Power and control electronics Inumber of poets for main current circuit 3 type of voltage of the control supply voltage 0 at AC at 50 Hz rated value 110 V 120 V 110 V 11	product brand name	Siemens	
Weight [b] 15   15   15   16   12 × 10 × 6 in   15   15   15   15   15   15   15   1	product designation	Non-reversing motor starter	
weight [b] Height x Width x Depth [in] 12 x 10 x 6 in 12 x 10 x 6 in 12 x 10 x 6 in 13 x 10 x 6 in 14 x 10 x 6 in 15 x 10 x	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 6 560 ft country of origin Germany  Power and control electronics  number of poles for main current circuit 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 yleided mechanical performance [ftp] for 3-phase AC motor • at 20/2038 V rated value 10 hp • at 460/480 V rated value 20 hp • at 460/480 V ra	General technical data		
touch protection against electrical shock installation altitude (II) at height above sea level maximum country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 50 Hz rated value 120 V disconnector functionality y elided mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 10 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 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 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 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 numb	weight [lb]	15 lb	
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  • at AC at 50 Hz rated value 110 V  • at AC at 60 Hz rated value 120 V  disconnector functionality No yleided mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 10 hp  • at 250/230 V rated value 20 hp  • at 480/480 V rated value 20 hp  • at 575/500 V rated value 25 hp  Contactor  number of NO contacts for main contacts 30 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  Auxillary contact  number of NC contacts for auxilliary contacts 1 number of thot auxilliary contacts 6 number of thot contacts for auxilliary contacts 1 number of th	Height x Width x Depth [in]	12 × 10 × 6 in	
Country of origin Germany  Power and control electronics  Inumber of poles for main current circuit  Iype 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  110 V  disconnector functionality  No  yielded mechanical performance [hp] for 3-phase AC motor  • at 2200/230 V rated value  • at 2200/230 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  20 hp  • at 575/600 V rated value  • at 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 contacts for auxiliary contacts 1 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 contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 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 auxiliary contacts 5 number of NC contacts for auxiliary contacts 6 number of NC contacts for auxiliary contacts of contactor according to UL 6 number of NC contacts for auxiliary contacts of contactor according to UL 7 number of NC contacts for auxiliary contacts of contactor according to UL 7 number of NC contacts for auxiliary contacts of contactor according to UL	touch protection against electrical shock	NA for enclosed products	
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 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 200/208 V rated value  • at 250/300 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  • at 600 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 at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  operating voltage for contacts  number of NC contacts for auxiliary contacts  number of total auxiliary contacts maximum  8  contact rating of auxiliary contacts maximum  8  contact rating of auxiliary contacts of contactor according to UL  OV  discontact rating of auxiliary contacts of contactor according to UL  OV  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 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 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 at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical  Auxillary 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 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 9 VA 6 apparent pick-up power of magnet coil at AC 7 9 VA 7 apparent pick-up power of magnet coil at AC 8 5 VA 7 operating range factor control supply voltage rated value of magnet coil 8 40 ms 0 N-delay time 8 40 ms	country of origin	Germany	
type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  110 V  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  at 220/220 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 at AC-3 rated value maximum operating voltage at AC-3 rated value voltage volta	Power and control electronics		
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  10 hp  at 220/230 V rated value  10 hp  at 4575/600 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  foo V  mechanical service life (operating cycles) of the main contacts typical  number of NO contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  1 number of total auxiliary contacts for auxiliary contacts  1 number of total auxiliary contacts maximum  8 contact rating of auxiliary contacts for 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	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 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 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 lotal auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time  8 40 ms OFF-delay time  10 hp 10	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 220/230 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  be at 575/600 V rated value  contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  accontact rating of auxiliary contacts of contactor according to UL  coil  apparent pick-up power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  8 40 ms  OFF-delay time  10 hp  10	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 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 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 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  8 40 ms OFF-delay time	<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 55/600 V rated value • at 55/600 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 accommodate at a contact according to Uccording to V  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 contact rating of auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to Uccording to Uccor	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 at 675/600 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  Auxiliary contact  number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time  8 40 ms OFF-delay time 4 16 ms	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  Maxiliary contact number of NC contacts for auxiliary contacts 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	yielded mechanical performance [hp] for 3-phase AC motor		
at 460/480 V rated value 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  for NC contacts 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  scontact 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  20 hp  600 V	<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 operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum  Maximum operating voltage at AC-3 rated value maximum 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 ocontact rating of 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 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 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 soundact 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 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 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  8 40 ms OFF-delay time  4 16 ms	<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  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  600 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  10A@600V(A600), 2.5A@600V(Q600)  Coil  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 8 40 ms OFF-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  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  0FF-delay time  30 000 000  1  Auxiliary contacts  1  1  1  10A@600V(A600), 2.5A@600V(Q600)  2.5A@600V(Q600)  0.8 1.1  8 40 ms  4 16 ms		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  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	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  substitute the strain of the strai		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  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  10A@600V(A600), 2.5A@600V(Q600)  8  00A@600V(A600), 2.5A@600V(Q600)  10A@600V(A600), 2.5A@600V(Q600)  10	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  8  0FF-delay time  8  0A 0 ms  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)  10A@600V(A600), 2.5A@600V(Q60	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  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  8 40 ms  OFF-delay time  4 16 ms	Coil		
operating range factor control supply voltage rated value of magnet coil  ON-delay time  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		

• everload protection     • test function     • external reset     • external reset     • external reset     • external reset     reset function     • external reset     reset function     adjustment range of thermal overload trip unit     number of NC contacts of auxiliary contacts of overload relay     number of NC contacts of auxiliary contacts of overload relay     number of NO contacts of auxiliary contacts of overload relay     number of NO contacts of auxiliary contacts of overload relay     contact rating of auxiliary contacts of overload relay according to     U.      **Enclosure**      degree of protection NEMA rating of the enclosure     design of the housing     mounting position     **Enclosure**      mounting position     **Enclosure**      mounting position     **Enclosure**      per of electrical connection for supply voltage line-side     syse of electrical connection for supply voltage line-side     signerature of the conductor cross-sections at line-side for     XVRG cables single or multi-stranded     temperature of the conductor for supply     ype of electrical connection for load-side outgoing feeder     sightening torque [Ibi-in] for load-side outgoing feeder     sightening torque [Ibi-in] for load-side outgoing feeder     supper of the conductor for load-side outgoing feeder     supper of electrical connection for load-side outgoing feeder     supper of electrical connection of magnet coil     sightening torque [Ibi-in] at contactor for auxiliary contacts     supper of electrical connection for foad-side outgoing feeder     material of the conductor for load-side outgoing feeder     supper of electrical connection for auxiliary contacts     supper of electrical connection f	and the first first first	
external reset reset function external reset reset function adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to UL  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Mounting/wring  mounting position distanting method statening method statening method statening method straining lorque [Ibf-in] for supply voltage line-side straining lorque [Ibf-in] for supply type of electrical connection for supply walture permissible material of the conductor for supply walture permissible material of the conductor for supply walture permissible displacing rougue [Ibf-in] for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of electrical connection of magnet coil type of electrical connection for load-side outgoing feeder type of electrical conn	product function	Von
reset function digustment range of thermal overload trip unit united adjustment range of thermal overload trip unit united of NC contacts of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 5A@600VAC (B600), 1A@250VDC (R300) U. Sacrotact rating of auxiliary contacts of overload relay according to U. Sacrotact rating of auxiliary contacts of overload relay according to U. Sacrotact rating of auxiliary contacts of overload relay according to U. Sacrotact rating of the enclosure design of the housing Dust & watersight for outdoor use Mounting position and the provided of the sacrotact rating provided by a watersight for outdoor use Mounting position and the provided of the sacrotact rating provided by the original provided by the origina	•	
reset function Manual, automatic and remote (with optional accessory) adjustment range of thermal overload trip unit 9 12.5 1 number of NC contacts of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 3 north of NO contacts of auxiliary contacts of overload relay according to 1 north of NO contacts of auxiliary contacts of overload relay according to 1 north of NO contacts of auxiliary contacts of overload relay according to 1 north of NO contacts of auxiliary contacts of overload relay according to 1 north of NO contacts of auxiliary contacts of overload relay on the NO contacts of auxiliary contacts of north of NO contacts of auxiliary contacts of north of NO contacts of auxiliary contacts of NO contacts of auxiliary contacts of NO contacts of auxiliary contacts of NO contacts of north of NO contacts		
adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 2 contact rating of auxiliary contacts of overload relay 3 contact rating of auxiliary contacts of overload relay 3 contact rating of auxiliary contacts of overload relay according to 4 CENCIONE 4 CENCIONE 4 CENCIONE 5 CENCIONE 6 CENC		
number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to U.  Enclosure  design of the housing  design of the housing  mounting position  sastening method Surface mounting and installation Sype of electrical connection for supply voltage line-side sightening torque [librin] for supply  yell of connectable conductor for supply maximum permissible material of the conductor for load-side outgoing feeder subgrituming torque [librin] at magnet coil subgreating to conductor for load-side outgoing feeder subgrituming torque [librin] at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible subgrituming torque [librin] at ontactor for auxiliary contacts subgrituming torque [librin] at overload relay for auxiliary contacts subgrituming torque [librin] at overload relay for auxiliary contacts subgrituming torque [librin] at overload relay for auxiliary contacts subgrituming torque [libr		
number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to UL  Enclosure  degree of protection NEMA rating of the enclosure	·	
contact rating of auxiliary contacts of overload relay according to UL  Inclosure  degree of protection NEMA rating of the enclosure  design of the housing  Mounting/wining  mounting position  fastening method  fastening method  fastening method  fastening torque [libf-in] for supply voltage line-side  tightening torque [libf-in] for supply voltage line-side or 2x (16 12), 2x (14 8)  AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  supper of electrical connection for load-side outgoing feeder  supper for connectable conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  supper for supply for supply maximum permissible  material of the conductor for load-side outgoing feeder  suppermissible  material of the conductor for load-side outgoing feeder  suppermissible  material of the conductor for load-side outgoing feeder  suppermissible  material of the conductor for load-side outgoing feeder  suppermissible  material of the conductor for load-side outgoing feeder  suppermissible  material of the conductor at magnet coil  suppermissible  material of the conductor at magnet coil maximum  permissible  material of the conductor at magnet coil maximum  permissible  material of the conductor at magnet coil maximum  permissible  contacts be conductor at magnet coil maximum  permissible  material of the conductor at outsider or auxiliary contacts  sughtening torque [libf-in] at outsider of auxiliary contacts  sughtening torque [libf-in] at out	·	
degree of protection NEMA rating of the enclosure  design of the housing  Mounting/wiring  mounting position  fastening method  surface mounting and installation  sterethy of electrical connection for supply voltage line-side  stightening torque [lbf-in] for supply  supply of connectable conductor cross-sections at line-side for AWO cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  supply of connectable conductor or supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  supply of connectable conductor cross-sections for AWO cables  material of the conductor for load-side outgoing feeder  supply of connectable conductor of load-side outgoing feeder  supply of connectable conductor for load-side outgoing feeder  supply of connectable conductor for load-side outgoing feeder  supply of connectable conductor for load-side outgoing feeder  supply of electrical connection of magnet coil  supply of connectable conductor cross-sections of magnet coil for AWO cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  subject of the conductor at magnet coil maximum permissible  subject of the conductor of a magnet coil maximum permissible  subject of the conductor of subject or subj	·	
degree of protection NEMA rating of the enclosure design of the housing Dust- & watertight for outdoor use Mounting/wiring mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side giphening torque (Ibf-in) for supply type of connectable conductor cross-sections at line-side for AVVC cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible giphening torque (Ibf-in) for load-side outgoing feeder type of electrical connection for load-side outgoing feeder spherium permissible conductor cross-sections for AWG cables for load-side outgoing feeder short load-side outgoing feeder maximum permissible tremperature of the conductor for load-side outgoing feeder maximum permissible for load-side outgoing feeder short load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible for load-side outgoing feeder maximum permissible spherium forque (Ibf-in) at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts spherium forque (Ibf-in) at magnet coil spherium forque (Ibf-in) at outcator for auxiliary contacts spherium forque (Ibf-in) at outcator for auxiliary contacts spherium forque (Ibf-in) at outcator for auxiliary contacts spherium for the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts spherium for the conductor at		3A@000VAC (B000), 1A@230VBC (K300)
Dust. & watertight for outdoor use	nclosure	
mounting position vertical fastening method ype of electrical connection for supply voltage line-side Screw-type terminals lightening torque [lbf-in] for supply with stranded stripped or connectable conductor cross-sections at line-side for AVIV cables single or multi-stranded strong lightening torque [lbf-in] for supply maximum permissible material of the conductor for load-side outgoing feeder Screw-type terminals lightening torque [lbf-in] for load-side outgoing feeder strong load subgroup (lbf-in) for load-side outgoing feeder should be subgroup feeder should be su	degree of protection NEMA rating of the enclosure	NEMA 3/3R/4/12 enclosure
mounting position fastening method type of electrical connection for supply voltage line-side 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 temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder to for load-side outgoing feeder sor load-side outgoing feeder sor load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor of magnet coil stightening torque [lbf-in] at magnet coil type of electrical connection of magnet coil stightening torque [lbf-in] at magnet coil sightening torque [lbf-in] at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts subject of connectable conductor cross-sections at contactor for auxiliary contacts subject of connectable conductor at contactor for auxiliary contacts subject of connectable conductor at contactor for auxiliary contacts subject of connectable conductor at contactor for auxiliary contacts subject of connectable conductor at contactor for auxiliary contacts subject of connectable conductor cross-sections at overl	design of the housing	Dust- & watertight for outdoor use
fastening method  type of electrical connection for supply voltage line-side  screw-type terminals  tightening torque (lbf-in) for supply  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for supply CU  type of electrical connection for load-side outgoing feeder  tightening torque (lbf-in) at magnet coil type of connectable conductor for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil or away (labf-in) at contactor for away (labf-in) at contactor	Mounting/wiring	
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tightening torque [ibf-in] for supply  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [ibf-in] for load-side outgoing feeder  tightening torque [ibf-in] for load-side outgoing feeder  type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum  permissible  material of the conductor at magnet coil maximum  permissible  material of the conductor at magnet coil maximum  permissible  material of the conductor at magnet coil coll type of electrical connection for auxiliary contacts  type of connectable conductor at magnet coil coll type of electrical connection for auxiliary contacts  type of connectable conductor at magnet coil  type of connectable conductor at magnet coil  type of connectable conductor at magnet coil  type of connectable conductor at or auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at overload relay for auxiliary contacts  type of connectable conductor at overload relay for auxiliary contacts  type of connectable conductor at overload relay for auxiliary contacts  province of the conductor at overload relay for auxiliary contacts  type of connectable conductor at overload relay for auxiliary contacts  type of connectable conductor at o	fastening method	Surface mounting and installation
Type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible anderial of the conductor for supply maximum permissible anderial 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 19 (connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible 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 Type of connectable conductor cross-sections of magnet coil Type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cutype of electrical connection for auxiliary contacts Screw-type terminals tightening torque [lbf-in] at contactor for auxiliary contacts Sycape type type type type type of electrical connection for auxiliary contacts and contactor for auxiliary contacts and contactor for auxiliary contacts and contactor for auxiliary contacts and contacts for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at contactor for auxiliary contacts and contacts of the conductor at overload relay for auxiliary contacts and contac	type of electrical connection for supply voltage line-side	Screw-type terminals
temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible  CU type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  CU type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor ross-sections at contactor for AWG cables for auxiliary contacts maximum permissible  CU type of electrical connection for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible  CU type of electrical connection at contactor for auxiliary contacts maximum permissible  CU type of electrical connection at contactor for auxiliary contacts maximum permissible  CU type of electrical connection at contactor for auxiliary contacts maximum permissible  CU type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor at contactors or auxiliary contacts type of connectable conductor at contacts or auxiliary contacts type of connectable conductor at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection of the main circuit required  design of the tuse link for short-circuit protection of the main c	tightening torque [lbf·in] for supply	18 21 lbf·in
material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections of AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  temperature of the conductor at magnet coil maximum permissible  type of electrical connection for auxiliary contacts  type of electrical connection for auxiliary contacts  type of connectable conductor at magnet coil  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at overload relay for auxiliary contacts  type of connectable conductor at overload relay for auxiliary contacts  type of connectable conductor at overlo		2x (16 12), 2x (14 8)
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at over	temperature of the conductor for supply maximum permissible	60 °C
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts type of connectable conductor at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at	material of the conductor for supply	CU
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible 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 2x (16 12), 2x (14 8)  To "C was a connectable conductor at magnet coil 7 10 lbf-in 2x (16 12), 2x (14 8)  To "C cu type of connectable conductor at magnet coil maximum permissible 7 10 lbf-in 1 contactor for auxiliary contacts 1 connection for auxiliary contacts 1 connection for auxiliary contacts 2 connectable conductor at magnet coil 3 connectable conductor at magnet coil 3 connectable conductor at magnet coil 3 connectable conductor at magnet coil 4 connectable conductor at magnet coil 5 connectable conductor at contactor for auxiliary contacts 1 connectable conductor at contactor for auxiliary contacts 2 connectable conductor at contactor for auxiliary contacts 3 connectable conductor at contactor for auxiliary contacts 3 contactor 3 contactor 3 conductor 3 contactor 6 conductor 3 contactor 6 conductor 5 contactor 6 conductor 5 contactor 6 conductor 6 conducto	type of electrical connection for load-side outgoing feeder	Screw-type terminals
temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts tightening torque [libf-in] at contactor for auxiliary contacts tightening torque [libf-in] at contactor for auxiliary contacts type of onenectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of connectable conductor at overload relay for auxiliary contacts type of connectable conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts type of connectable conductor at overload relay for au	tightening torque [lbf·in] for load-side outgoing feeder	18 21 lbf-in
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts type of connectable conductor ross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts type of electrical connection for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts type of connectable conductor at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts to the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip  Thermal magnetic circuit breaker		2x (16 12), 2x (14 8)
type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxilliary contacts  tightening torque [lbf-in] at contactor for auxilliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxilliary contacts single or multi-stranded  temperature of the conductor at contactor for auxilliary contacts  type of connectable conductor at contactor for auxilliary contacts  type of connectable conductor at contactor for auxilliary contacts  temperature of the conductor at contactor for auxilliary contacts  material of the conductor at contactor for auxilliary contacts  type of electrical connection at overload relay for auxilliary  contacts  type of connectable conductor cross-sections at overload relay  for AWG cables for auxilliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxilliary  contacts  type of connectable conductor cross-sections at overload relay  for AWG cables for auxilliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxilliary  contacts maximum permissible  material of the conductor at overload relay for auxilliary  contacts maximum permissible  material of the conductor at overload relay for auxilliary  design of the fuse link for short-circuit protection of the main  circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker		60 °C
tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker	material of the conductor for load-side outgoing feeder	CU
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts maximum permissible  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  design of the short-circuit trip  Thermal magnetic circuit breaker	type of electrical connection of magnet coil	Screw-type terminals
temperature of the conductor at magnet coil maximum permissible material of the conductor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible  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  design of the short-circuit trip  Thermal magnetic circuit breaker	tightening torque [lbf-in] at magnet coil	7 10 lbf·in
material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker		2x (16 12), 2x (14 8)
type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts maximum permissible  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  design of the short-circuit trip  Thermal magnetic circuit breaker	•	75 °C
tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker	material of the conductor at magnet coil	CU
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker	type of electrical connection for auxiliary contacts	• •
AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker	tightening torque [lbf·in] at contactor for auxiliary contacts	
maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker		
type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker	·	
tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker	•	
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker		
for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  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  design of the short-circuit trip  Thermal magnetic circuit breaker		
contacts maximum permissible  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  design of the short-circuit trip  Thermal magnetic circuit breaker	for AWG cables for auxiliary contacts single or multi-stranded	
Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Class J  Thermal magnetic circuit breaker	·	
design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Class J  Thermal magnetic circuit breaker		CU
circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker		
	·	Class J
maximum short circuit current breaking canacity (lou)	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	•	UL 60947-4-1
Approvals Certificates		
General Product Approval  Test Certificates other Dangerous Good Environment	· Lest 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=3RE4122-7CA31-1KF6

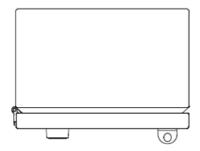
Search Datasheet in Service&Support (Manuals)

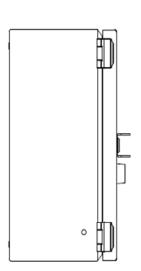
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-7CA31-1KF6/man

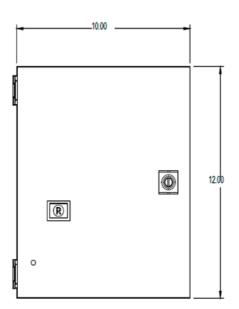
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-7CA31-1KF6&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-7CA31-1KF6&lang=en</a>

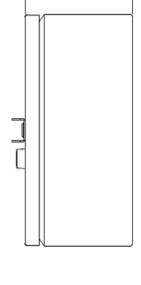
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-7CA31-1KF6/certificate

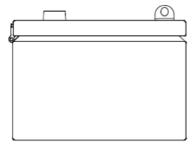








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