## **SIEMENS**

Data sheet US2:83CUA95WD



Duplex starter w/o alternator, Size 0, Three phase full voltage, Solid-state overload relay, OLR amp range 0.25-1A, 208VAC 60Hz coil, Non-combination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

product brand name	Class 83
design of the product	Duplex controller without alternator
special product feature	ESP200 overload relay
General technical data	
weight [lb]	40 lb
Height x Width x Depth [in]	20 × 16 × 6 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	0.17 hp
• at 220/230 V rated value	0.17 hp
• at 460/480 V rated value	0.33 hp
● at 575/600 V rated value	0.5 hp
Contactor	
size of contactor	NEMA controller size 0
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	18 A
mechanical service life (operating cycles) of the main contacts typical	10000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
at DC rated value	0 0 V
• at AC at 50 Hz rated value	0 0 V
at AC at 60 Hz rated value	208 208 V
holding power at AC minimum	8.6 W

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Secretary arrange factor control supply voltage rated value of magnet coil	apparent holding power of magnet coil at AC	218 VA
preparental drop-out voltage of magnet coll related to the input voltage of magnet coll related to the input voltage of magnet coll related to the input voltage of the property of the proper		
violage OFF. delay lime  • overload protection • overload deleance • overload feedace • overload relay • overload feedace • overload feeda	magnet coil	
OFF-clay time  **Overload protection**  **overload protection**  **overload protection**  **overload protection**  **phase failure detection**  **a ground fault detection**  **or set fault detection**  **or set fault detection**  **or set faunction**  **or set fau		50 %
Product function  • overload protection • overload protection • overload protection • overload protection • phase failure detection • phase failure detection • product fault detection • or pound fault detection • cottomal reset  reset function • outernal reset  reset function	ON-delay time	19 29 ms
product function  • overload protection • phase failure detection • a symmetry detection • ground fault detection • e start function  Manual, aubimatic and remote adjustable current response value current of the current edependent overload felesies  topping films at phase-loss maximum relative repeat accuracy 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature protective coating on printed circuit board 175 product feature or No contacts of availary contacts of overload relay 100 perational current of auxiliary contacts of overload relay 11 animaliary or 175 11 A 11 A 12 A 12 A 12 A 13 A 14 A 15	OFF-delay time	10 24 ms
• private failure detection     • pround fault detection     • asymmetry detection     • asymmetry detection     • asymmetry detection     • contact and it detection     • contact and reset     • contact and audition and remote     • displace current response value current of the current- dependent overfood release     • contacts of auditing contacts of overfood relay     • contacts and auditing contacts of overfood relay     • contacts and auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay     • and to a auditing contacts of overfood relay according to tul.  In addition to a auditing contacts of overfood relay according to tul.  • with single-phase operation at AC rated value     • with multi-phase ope	Overload relay	
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• ground fault detection • test function • external reset • reset function • external reset • Yes  reset function • Aging adjustable current response value current of the current-dependent overfoad release digitation and the properties of the current-dependent overfoad release flyinging time at phase-loss maximum  relative repeat accuracy product feature protective coating on printed circuit board your product feature protective coating on printed circuit board your contacts of auxiliary contacts of overfoad relay • and CC contacts of auxiliary contacts of overfoad relay • and CC at 1800 V • and CC at 1800 V • and CC at 1800 V • with single-phase operation at AC rated value • with multi-phase operation of AC rated value	<ul> <li>phase failure detection</li> </ul>	Yes
* test function     * cotomail reset     * reset function     * so detarial reset     * reset function     * so detarial reset     * reset function     * sold reset function     * adjustable current response value current of the current- dependent overfood release     * tripping time at phase-loss maximum     * 3 s     * relative repeat accuracy     * 1 %     product feature protective coating on printed-circuit board     * yes     * number of NC contacts of auxiliary contacts of overfood relay     * 1 %     * 1 & 10 & 10 & 10 & 10 & 10 & 10 &	asymmetry detection	Yes
external reset reset function Adaptivation Aguitables current response value current of the current dependent overload release typing time at phase-lose maximum  3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay 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 NC contacts of auxiliary contacts of overload relay 1 1 AC at 800 V 1 AC at 800 V 1 A Contact rating of auxiliary contacts of overload relay 1 AC at 800 V 2 AT AC at 800 V 3 A AC at 800 V 3 A AC at 800 V 4 A AC at 800 V 5 A AC at 800 V 4 A AC at 800 V 5 A AC at 800 V 6 A AC at 800 V 7 A AC A	<ul> <li>ground fault detection</li> </ul>	Yes
reset function adjustable current response value current of the current adjustable current response value current of the current adjustable current response value current of the current dependent overload release tripping time at phase-loss maximum  3 s  relative repeat accuracy product feature protective coating on printed-dircuit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay e at AC at 800 V  • at DC at 250 V  • at DC at 250 V  • at DC at 250 V  • with insigle-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation of the current design of the housing  doubtring/wirting  ### Mounting/wirting ### Mounting/wirti	• test function	Yes
degree of protection NEMA rating of the enclosure degree of protection NEMA rating of the enclosure degree of protection on NEMA rating of the enclosure degree of protection on nection for supply voltage line-side or Mocontacts of supply voltage line-side or Mocontacts of supply voltage line-side or Mocontacts of overload relay 1  operational current of auxiliary contacts of overload relay 1  operational current of auxiliary contacts of overload relay 1  operational current of auxiliary contacts of overload relay 2  • at AC at 600 V 5 A 1 A Cat 600 V 5 A 1 A 1 A Cat 600 V 5 A 1 A 1 A Cat 600 V 5 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A Cat 600 V 5 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	external reset	Yes
dependent overload release tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at DC at 2590 V at DC at 2590 V 5 A 1 A Contact rating of auxiliary contacts of overload relay according to U.I. insulation voltage (U) with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value design of the housing Mountingly/infor  mounting position fastening method Uppe of electrical connection for supply voltage line-side tightening torque (Ibf-in) for supply Uppe of electrical connection for supply winximum permissible material of the conductor for supply maximum permissible for lead-side outgoing feeder Utghering roque (Ibf-in) for load-side outgoing feeder Dype of electrical connection for load-side outgoing feeder Dype of electrical connection for load-side outgoing feeder Utghering roque (Ibf-in) for load-side outgoing feeder Dype of electrical connection for load-side outgoing feeder Dype of electrical connection for load-side outgoing feeder Dype of electrical connection for load-side outgoing feeder Utghering roque (Ibf-in) for load-side outgoing feeder Dype of electrical connection for load-side outgoing feeder Dype of electrical connectable conductor for sac-side outgoing feeder Dype of electrical connectable conductor for sac-side outgoing feeder Dype of electrical connectable conductor for sac-side outgoing feeder Dype of electrical connectable conductor for load-side outgoing feeder Dype of electrical connectable conductor for load-side outgoing feeder Dype of electrical connectable conductor for auxiliary contacts Single or multi-stranded Dype of electrical connectable conductor for auxiliary contacts Dype of connectable conductor or auxiliary contacts Dype of connectable conductor or auxili	reset function	Manual, automatic and remote
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relative repeat accuracy product feature protective contains on printed-circuit board yes number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V • at DC at 250 V  • with single-phase operation at AC rated value • with single-phase operation at AC rated value • with multi-phase operation at AC rated value  * with multi-phase operation at AC rated val	tripping time at phase-loss maximum	3 s
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at AC at 800 V at DC at 250 V bt 1 C at 250 V contact rating of auxiliary contacts of overload relay according to UL insulation voltage (UI) bwith single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value begree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring  mounting position fastening method Surface mounting and installation fype of electrical connection for supply voltage line-side tightening torque ([ibf-in] for supply ype of connectable conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection 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 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 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 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 for load-side outgoing feeder maximum permissible material of the conductor of magnet coil sorew-type terminals tightening torque [lbf-in] at magnet coil sorew-type terminals  tightening torque [lbf-in] at magnet coil sorew-type terminals  tightening torque [lbf-in] at magnet coil sorew-type terminals  tightening torque [lbf-in] at magnet coil sorew-type terminals  tightening torque [lbf-in] at magnet coil for AVI (a. 12 AVI)  20 2 Ibf-in  20 2 I	·	1
• at DC at 250 V  contact rating of auxiliary contacts of overload relay according to UL  insulation voltage (UI)  • with single-phase operation at AC rated value  • with multi-phase operation of the enclosure  degree of protection NEMA rating of the enclosure  design of the housing  mounting/wiring  **To Vertical  **To Vertical  **Surface mounting and installation  \$ bype of electrical connection for supply voltage line-side  \$ bype of electrical connection for supply voltage line-side  \$ bype of connectable conductor cross-sections at line-side for  \$ AWG cables single or multi-stranded  \$ temperature of the conductor for supply  \$ ype of electrical connection for load-side outgoing feeder  \$ bype of connectable conductor for supply  \$ ype of electrical connection for load-side outgoing feeder  \$ bype of connectable conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of the conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing feeder  \$ bype of one conductor for load-side outgoing f	operational current of auxiliary contacts of overload relay	
contact rating of auxillary contacts of overload relay according to UL insulation voltage (Ui)  • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  degree of protection NEMA rating of the enclosure  degree of protection NEMA rating of the enclosure  MEMA 4x 304 stainless steel enclosure  design of the housing  mounting position  Vertical  fastening method type of electrical connection for supply voltage line-side stightening torque [Ibf-in] for supply  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  material of the conductor for supply maximum permissible  representative [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  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  for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  for load-side outgoing feeder single or multi-stranded  tightening torque [Ibf-in] at magnet coil  type of connectable conductor for load-side outgoing feeder maximum permissible  material of the conductor at magnet coil  type of connectable conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil 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 maximum permissible  material of the conductor at magnet coil type of elect	• at AC at 600 V	5 A
Insulation voltage (UI)  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  800 V	• at DC at 250 V	1 A
with single-phase operation at AC rated value with multi-phase operation at AC rated value 300 V  **with multi-phase operation at AC rated value  **degree of protection NEMA rating of the enciosure  design of the housing  **mounting position  fastening method  type of electrical connection for supply voltage line-side of the tightening torque [lbf-in] for supply  **pe of connectable conductor at magnet coil  type of connectable conductor at magnet coil  material of the conductor of nead-side outgoing feeder  Mype of connectable conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  tightening torque [lbf-in] at magnet coil  fightening torque [lbf-in] at contactor for auxiliary contacts  fightening torque [lbf-in		5A@600VAC (B600), 1A@250VDC (R300)
with single-phase operation at AC rated value with multi-phase operation at AC rated value 300 V  **With multi-phase operation at AC rated value  **Bernolosure  degree of protection NEMA rating of the enciosure		
with multi-phase operation at AC rated value  Brocosure  degree of protection NEMA rating of the enclosure  design of the housing  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  yea of onnectable conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder whem for load-side outgoing feeder sightening torque [lbf-in] at magnet coil type of electrical connection of no load-side outgoing feeder  Uppe of electrical connection of moductor for swipply  AL or CU  yea of electrical connection of no load-side outgoing feeder  Uppe of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil  for connectable conductor for load-side outgoing feeder  Uppe of connectable conductor for load-side outgoing feeder  Screw-type terminals  Uppe of connectable conductor for load-side outgoing feeder  Screw-type terminals  Uppe of connectable conductor for load-side outgoing feeder  Screw-type terminals  Uppe of electrical connection of magnet coil  Uppe of connectable conductor for load-side outgoing feeder  Uppe of electrical connection of magnet coil  Uppe of connectable conductor or a magnet coil for AWG cables single or multi-stranded  Emperature of the conductor at magnet coil maximum  permissible  material of the conductor at magnet coil maximum  permissible  material of the conductor or a magnet coil or AWG cables for auxiliary contacts  Uppe of electrical connection at contactor for auxiliary contacts  Uppe of electrical connection at contactor for auxiliary contacts  Uppe of electrical connection at contactor for auxiliary contacts  Uppe of electrical conductor at magnet coil  Uppe of electrical connection at contactor for auxiliary contacts  Uppe of electrical confection at contactor for a	with single-phase operation at AC rated value	600 V
degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring  mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side sightening torque [lbf-in] for supply 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 material of the conductor for supply for load-side outgoing feeder supper of connectable conductor cross-sections or awding feeder supper of connectable conductor cross-sections or awding feeder supper of connectable conductor or supply for load-side outgoing feeder supper or supply supper supply supply supper supply supper supply supper supply s		300 V
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mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side stightening 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 temperature of the conductor 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 tightening torque [lbf·in] at magnet coil type of electrical connection of magnet coil stightening 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  CU type of electrical connection at contactor for auxiliary contacts tightening torque [lbf·in] at contactor for a	degree of protection NICAAA	
mounting position  Vertical  Surface mounting and installation  1x (14 2 AWG)  AL or CU  Type of connectable conductor ross-sections at line-side for auxiliary contacts in surface at line surface and in	uegree of protection in⊨MA rating of the enclosure	NEMA 4x 304 stainless steel enclosure
mounting position  Vertical  Surface mounting and installation  1x (14 2 AWG)  AL or CU  Type of connectable conductor ross-sections at line-side for auxiliary contacts in surface at line surface and in		
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply Maximum permissible tightening torque [lbf-in] for load-side outgoing feeder type of electrical connection 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 tightening torque [lbf-in] at magnet coil type of electrical 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 type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at c	design of the housing	
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  tightening torque [lbf-in] for load-side outgoing feeder  type of electrical connection 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  type of electrical connection of magnet coil  type of electrical connection of magnet coil  type of connectable conductor for load-side outgoing feeder  type of electrical connection of magnet coil  type of electrical connection of magnet coil  to a L2 lbf-in  2x (14 10 AWG)  2x (14	design of the housing Mounting/wiring	dustproof, waterproof & resistant to corrosion
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 ype of electrical connection for load-side outgoing feeder  type of electrical connectable conductor cross-sections for AWG cables 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 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  type of electrical connection at contactor 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  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  75 °C	design of the housing  Mounting/wiring  mounting position	dustproof, waterproof & resistant to corrosion  Vertical
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 [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 connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder 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 maximum permissible  material of the conductor at contactor for auxiliary contacts tightening torque [lbf-in] at contactor 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 type of connectable conductor cross-sections at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contact	design of the housing  Mounting/wiring  mounting position  fastening method	dustproof, waterproof & resistant to corrosion  Vertical  Surface mounting and installation
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 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  To "C  CU  CU  CU  CU  CU  CU  CU  CU  CU	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side	Vertical Surface mounting and installation Screw-type terminals
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 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 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 type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  temperature of the conductor at contactor for auxiliary contacts  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in
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  To so C  Screw-type terminals  2x (14 10 AWG)  75 °C  To c  To	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)
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 connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the 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 cU  type of electrical connection at contactor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  temperature of the conductor at contactor for auxiliary contacts  to 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)
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  type of electrical connection at contactor 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  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG) 75 °C AL or CU
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  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 at contactor 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  75 °C  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  75 °C	design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals
type of electrical connection of magnet coil  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 at contactor 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  75 °C  CU  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  Type of connectable conductor at contactor for auxiliary contacts  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in
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 at contactor 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  75 °C  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)
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 at contactor 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  75 °C  CU  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)
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 at contactor 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  75 °C  CU  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG) 75 °C
temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection at contactor 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  75 °C  CU  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  Tx (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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 type of electrical connection of magnet coil	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)  75 °C  CU Screw-type terminals
material of the conductor at magnet coil  type of electrical connection at contactor 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  CU  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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 type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)  75 °C CU Screw-type terminals 5 12 lbf·in
type of electrical connection at contactor 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  Screw-type terminals  10 15 lbf·in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)  75 °C CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)
tightening torque [lbf-in] at contactor for auxiliary contacts  10 15 lbf-in  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  75 °C	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)  75 °C  CU Screw-type terminals 2 12 lbf·in 2x (16 12 AWG)
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  75 °C	design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible material of the conductor for 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 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 maximum permissible	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG) 75 °C CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)
temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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 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 maximum permissible	dustproof, waterproof & resistant to corrosion  Vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf-in  1x (14 2 AWG)  75 °C  AL or CU  Screw-type terminals  20 24 lbf-in  2x (14 10 AWG)  75 °C  CU  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals
	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for 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 type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG) 75 °C CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C CU Screw-type terminals 10 15 lbf-in

material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °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	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (lcu)	
• at 240 V	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Certificate of Suitability	NEIVIA 103 2, 0E 300, C3A 22.2, NO. 14

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=US2:83CUA95WD

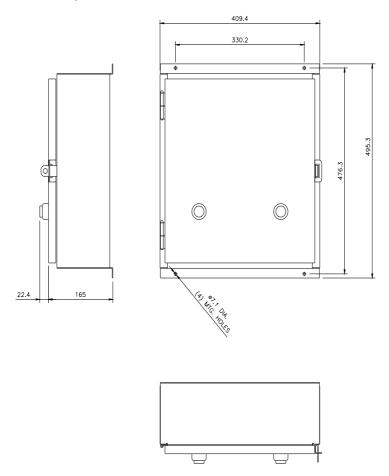
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:83CUA95WD

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=US2:83CUA95WD&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:83CUA95WD&lang=en</a>

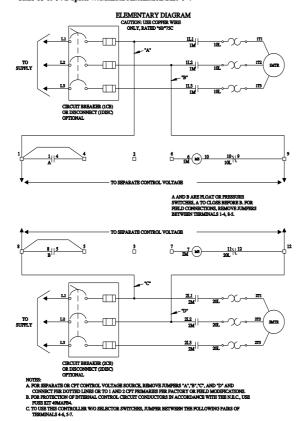
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:83CUA95WD/certificate



## SCHEMATIC DIAGRAM

## Class 83 & 84 Duplex W/Manual Alternation Size 0-4



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