## **SIEMENS**

Data sheet US2:14DUE820G



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLRelay amp range 10-40a, 190 220/220 240V 50/60HZ coil, Non-combination type, Enclosure type 12, Dust/drip proof for indoors, Extra-wide enclosure

product brand name	Class 14
design of the product	Full-voltage non-reversing motor starter
special product feature	ESP200 overload relay
General technical data	
weight [lb]	15 lb
Height x Width x Depth [in]	13 × 13 × 5 in
touch protection against electrical shock	(NA for enclosed products)
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-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	7.5 hp
<ul><li>at 220/230 V rated value</li></ul>	7.5 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 1
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	27 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	345VA@115VAC / 768VA@240VAC
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 50 Hz rated value	190 220 V
at AC at 60 Hz rated value	220 240 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA

apparent holding power of magnet coil at AC per		
prepared all oppout voltage of magnet coll related to the input voltage of prepared all oppout voltage of magnet coll related to the input voltage of the foots and input voltage of the foots and input voltage of the housing workers and in a consideration of the housing benefits of the related to respect to related to the conductor for supply working in least significant or for such as a significant or for supply working in least significant or for such as a significant or supply working in least significant or supply working in least significant or such as a significant or supply working in least significant or such as a significan		
Not-Relay time 19. 29 ms OFF-delay time 79. 29		0.85 1.1
### Contract and Italy  **Overload protection  **Overload protection		50 %
product function	ON-delay time	19 29 ms
product function  • overload protection • phase failure detection • a ground fault detection • ground fault detection • external reset • yes  GLASS 10 / 20 (factory set) / 30  adjustable current response value current of the current  Operation of the current  Operation of NC contacts of auxiliary contacts of overload relay  reset function  Operation of NC contacts of auxiliary contacts of overload relay  anumber of NC contacts of auxiliary contacts of overload relay  • at NC at 80 oV • at DC at 250 V  • at DC at 250 V  • with brigge-phase operation at AC rated value • with numb-phase operati	OFF-delay time	10 24 ms
overlead protection	Overload relay	
Patisas failure detection     Pass asymmetry detection     Pass asymm	product function	
* pround fault detection     * a symmetry detection     * ground fault detection     * external reset     * yes     * cash function	overload protection	Yes
* symmetry detection     * ground fault detection     * test function     * clearly fu	·	Yes
• ground fault detection • external reset • external reset • external reset • external reset • yes  creat function  Manual, automatic and remote  fitro class  CLASS 5 / 10 / 20 (factory set) / 30  adjustable current response value current of the current- dependent overfoard release  tripping time at phase loss maximum  relative repeat accuracy relative	·	Yes
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dependent overload release tripping time at phase-loss maximum seriality repeat accuracy product feature protective coating on printed-circuit board product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at C at DC at 250 V at DC at 250 V between the contact of auxiliary contacts of overload relay according to the contact rating of auxiliary contacts of overload relay according to the substant working (U) with single-phase operation at AC rated value with multi-phase operation of the enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing degree of protection NeMA rating of the enclosure design of the housing degree of protection NeMA rating of the enclosure design of the housing degree of protection for supply value line-side supplied in the counting of the supply value line-side suphanian torque [bf-in] for supply defence of the conductor for supply was supply maximum permissible material of the conductor for supply per of electrical connection for supply maximum permissible material of the conductor for load-side outgoing feeder supper aluce of the conductor for load-side outgoing feeder supper aluce of the conductor for load-side outgoing feeder supper aluce of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder supper aluce 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 or magnet coil supply so electrical connection for lo	·	
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number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay perstainal current of auxiliary contacts of overload relay	relative repeat accuracy	1 %
operational current of auxilliary contacts of overload relay  • at AC at 500 V  • at DC at 250 V  contact rating of auxilliary 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 single-phase operation at AC rated value  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • water with multi-phase operation at AC rated value  • water with multi-phase operation at AC rated value  • water with multi-phase operation at AC rated value  • wat	product feature protective coating on printed-circuit board	Yes
operational current of auxiliary contacts of overload relay  • at AC at 600 V  • 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 operatio	number of NC contacts of auxiliary contacts of overload relay	1
at AC at 600 V at DC at 250 V at DC at 250 V blue 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 at AC rated value with multi-phase operation at AC rated value  easign of the housing design of the housing design of the housing but tight and drip proof for indoors  Mounting/wiring  mounting position Vertical fastening method type of electrical connection for supply voltage line-side tightening torque [lib-in] for supply Sorred conductor for supply waximum permissible material of the conductor for load-side outgoing feeder tightening torque [lib-in] 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 for load-side outgoing feeder fightening torque [lib-in] at magnet coil type of electrical connection of magnet coil pype of electrical connection of or auxiliary contacts material of the conductor at magnet coil pype of electrical connection of nagnet coil pype of electrical connection of or auxiliary cont	number of NO contacts of auxiliary contacts of overload relay	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 at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  600 V  300 V  Enclosuro  design of the housing  degree of protection NEMA rating of the enclosure  design of the housing Dust tight and drip proof for indoors  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  styne of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  tightening torque (bit-in) for supply  ye of electrical connection for load-side outgoing feeder  type of connectable conductor for supply  ye of connectable conductor for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder  AL or CU  type of electrical connection of magnet coil  type of connectable conductor of road-side outgoing feeder  AL or CU  type of electrical connection of magnet coil  type of connectable conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  attribution to the conductor of the conductor of maximum permissible  at	operational current of auxiliary contacts of overload relay	
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 at AC rated value • with multi-phase operation at AC rated value  design of the housing  degree of protection NEMA rating of the enclosure  design of the housing  design of the housing  Mounting/wiring  mounting position  fastening method type of electrical connection for supply voltage line-side tightening torque [Ibf-in] for supply  ype of electrical conductor for supply maximum permissible material of the conductor for supply maximum permissible fightening torque [Ibf-in] for load-side outgoing feeder type of one-clable conductor cross-sections at fine-side for AC Cubys of electrical connectable conductor of supply maximum permissible material of the conductor for supply  ype of electrical connectable 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  xi	• 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  • with multi-phase operation at AC rated value  **Enclosure**  **Extra-wide**  design of the housing  design of the housing  **Dust tight and drip proof for indoors  **Mounting/lwfring**  **mounting position  fastening method  fastening method  fastening method  fastening in the provide in the supply voltage line-side  fastening torque [lbf-in] for supply voltage line-side  fastening torque (lbf-in] for supply  **Joint of the conductor or oss-sections at line-side for AWG cables single or multi-stranded  **Line or a conductor or supply maximum permissible  material of the conductor for load-side outgoing feeder  tightening torque (lbf-in] for load-side outgoing feeder  the perature of the conductor for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder  the perature of the conductor 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 or any play maximum permissible  material of the conductor for load-side outgoing feeder  **AUG cables single or multi-stranded  temperature of the conductor for load-side outgoing feeder  **AUG cables single or multi-stranded  temperature of the conductor or ass-sections of magnet coil or AWG cables single or multi-stranded  temperature of the conductor or ass-sections of magnet coil or at a tight-ening torque (lbf-in) at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil or auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  tight	• 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 300		5A@600VAC (B600), 1A@250VDC (R300)
with single-phase operation at AC rated value with multi-phase operation at AC rated value 300 V 300	insulation voltage (Ui)	
e with multi-phase operation at AC rated value  Besign of the housing degree of protection NEMA rating of the enclosure  Besign of the housing Dust tight and drip proof for indoors  Mounting/wiring  mounting position Tastening method Type of electrical connection for supply voltage line-side Surface mounting and installation Type of connectable conductor cross-sections at line-side for AMG cables single or multi-stranded  Type of electrical connection for supply maximum permissible Type of electrical connection for supply maximum permissible Type of electrical connection for load-side outgoing feeder Type of connectable conductor for supply Type of electrical connection for load-side outgoing feeder Type of connectable conductor 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 connectable conductor cross-sections of magnet coil for AMG cables single or multi-stranded Type of electrical connection of magnet coil Type of electrical connection of magnet c		600 V
design of the housing		
design of the housing	· · · ·	555 1
degree of protection NEMA rating of the enclosure  design of the housing  Dust tight and drip proof for indoors  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  ype 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  sorew-type terminals  1x(14 - 2 AWG)  AUG or CU  type of electrical connection for load-side outgoing feeder  sorew-type terminals  tightening torque [lbf-in] for load-side outgoing feeder  sorew-type terminals  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  AL or CU  type of electrical connection 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 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 sorew-type terminals  tightening torque [lbf-in] at conductor or coss-sections of magnet coil sorew-type terminals  tightening torque [lbf-in] at conductor for load-side outgoing feeder  sorew-type terminals  tightening torque [lbf-in] at conductor for auxiliary contacts  sorew-type terminals  tightening torque [lbf-in] at conductor for auxiliary contacts  sorew-type terminals  tightening torque [lbf-in] at conductor for auxiliary contacts  sorew-type terminals  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	Enclosure	
Mounting/wiring  mounting position  Vertical  fastening method  Surface mounting and installation  type of electrical connection for supply voltage line-side  tightening torque [ibf-in] for supply  35 35 lbf-in  1x(14 - 2 AWG)  AWG cables single or multi-stranded  temperature of the conductor cross-sections at line-side to temperature of the conductor for supply  AL or CU  type of electrical connection for load-side outgoing feeder  stightening torque [ibf-in] for load-side outgoing feeder  strand-assist by the 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  xipe of electrical connection of magnet coil  screw-type terminals  tightening torque [ibf-in] at magnet coil  screw-type terminals  tightening torque [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 maximum  permissible  material of the conductor at magnet coil maximum  permissible  material of the conductor or cross-sections of magnet coil screw-type terminals  tightening torque [ibf-in] at contactor for auxiliary contacts  tightening torque [ibf-in] at contactor for auxiliary contacts  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)		Extra-wide
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fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  yer 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  yer 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  type of connectable conductor for load-side outgoing feeder  maximum permissible  feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  maximum permissible  feeder in a connection of magnet coil  screw-type terminals  tightening torque [lbf-in] at magnet coil  screw-type terminals  tightening torque [lbf-in] at magnet coil  screw-type terminals  tightening 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 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  screw-type terminals  tightening torque [lbf-in] at contactor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  10 15 lbf-in  1x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure design of the housing	Extra-wide NEMA Type 12
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in  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 tightening torque [lbf-in] at magnet coil type of electrical connection 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 or 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 so 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 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 maxi	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors
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  AL or CU  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 material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder AL or 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 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  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 type of connectable conductor at magnet coil  To C  To C  To C  LU  To C  LU  To C  LU  LU  LU  LU  LU  LU  LU  LU  LU  L	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical
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 stightening torque [lbf-in] for load-side outgoing feeder store of electrical connection for load-side outgoing feeder store 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 rorss-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  To °C  AL or CU  Type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  To °C  CU  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	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation
temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables 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 type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of AWG cables for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil screw-type terminals  5 12 lbf-in 2 x (16 - 12 AWG)  2 x (16 - 12 AWG)  CU type of electrical connection of rauxiliary 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 type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  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 type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  material of the conductor at magnet coil  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  tightening torque [lbf-in] at contactor for auxiliary contacts  to cu  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to cu type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  AL or CU  screw-type terminals  75 °C  CU  type of electrical connection for auxiliary contacts  to 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 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  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  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  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  Screw-type terminals  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in
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 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 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  1 x (12 AWG)  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 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 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 for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts single or multi-stranded  temperature of the conductor at magnet coil type of connectable conductor at magnet coil  type of connectable conductor 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  1x(14 - 2 AWG)  Tx(14 - 2 AWG)  AL or CU  Screw-type terminals  1 x (16 - 12 AWG)  CU  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	design of the housing degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)  75 °C
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 connectable conductor cross-sections 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 CU  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  75 °C  CU  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	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU
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 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  AL or CU  screw-type terminals  2 x (16 - 12 AWG)  75 °C  CU  type of electrical connection for auxiliary contacts  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals
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 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  AL or CU  screw-type terminals  2 x (16 - 12 AWG)  75 °C  CU  type of electrical connection for auxiliary contacts  10 15 lbf·in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 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 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  screw-type terminals  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1x(14 - 2 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 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  5 12 lbf-in  2 x (16 - 12 AWG)  CU  CU  type of electrical connection for auxiliary contacts  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1x(14 - 2 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 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  2 x (16 - 12 AWG)  CU  CU  type of electrical connection for auxiliary contacts  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1x(14 - 2 AWG)
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  75 °C  CU  type of electrical connection for auxiliary contacts  10 15 lbf·in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals
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  CU  screw-type terminals  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure  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	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors  Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)  75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)  75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)
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  screw-type terminals  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure  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	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors  Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)  75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)  75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)  75 °C  AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 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  10 15 lbf-in  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure  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	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  screw-type terminals  5 12 lbf-in  2 x (16 - 12 AWG)  75 °C
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing  degree of protection NEMA rating of the enclosure 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 type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  5 31 lbf-in  2 x (16 - 12 AWG)  75 °C  CU
, ,	design of the housing  degree of protection NEMA rating of the enclosure  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  material of the conductor at magnet coil	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  screw-type terminals  35 31 lbf-in  2 x (16 - 12 AWG)  75 °C  CU  screw-type terminals
	design of the housing  degree of protection NEMA rating of the enclosure  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  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 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  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 for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts	Extra-wide NEMA Type 12  Dust tight and drip proof for indoors  Vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1x(14 - 2 AWG)  75 °C  AL or CU  screw-type terminals  5 12 lbf-in  2 x (16 - 12 AWG)  75 °C  CU  screw-type terminals  10 15 lbf-in

maximum permissible	
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	2 x (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 (Icu)	
• 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
Approvals Certificates	
Test Certificates	



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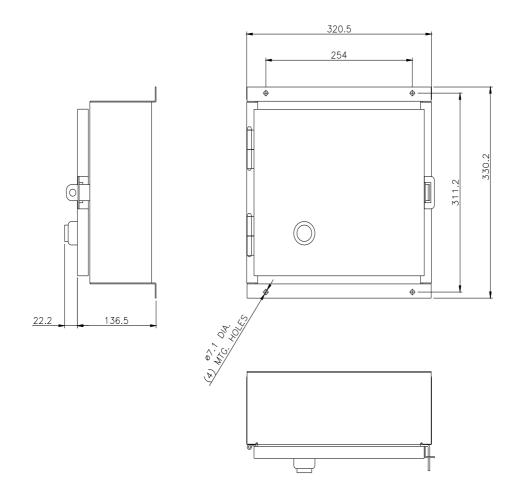
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUE820G

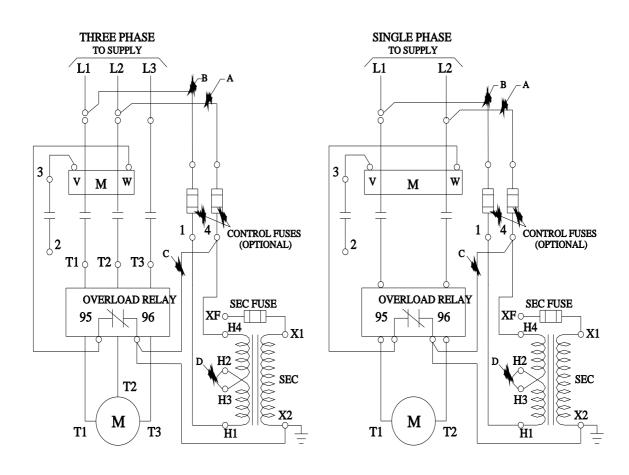
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Certificates/approvals

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