## **SIEMENS**

Data sheet US2:30DUEC32B2VA



2-speed 3-phase motor starter Size 1 One winding consequent pole Constant or variable torque Solid-state overload relays Low SPD OLR range 3-12A High SPD OLR range 10-40a 110-120/220-240VAC 60HZ coil Enclosure NEMA type 1 Indoor general purpose use

product brand name	Class 30
design of the product	Full-voltage two speed motor starter
special product feature	ESP200 overload relay; Dual voltage coil
General technical data	
weight [lb]	24 lb
Height x Width x Depth [in]	20 × 12 × 8 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
<ul> <li>during operation</li> </ul>	-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	7 hp
• at 220/230 V rated value	7 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	6
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	2
number of NO contacts at contactor for auxiliary contacts	2
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 60 Hz rated value	110 240 V
holding power at AC minimum	8 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA

magnet coll prevential copout voltage of magnet coil related to the input voltage of magnet coil related to the input voltage of the provided of the provided of the input voltage of the provided of the prov	operating range factor control supply voltage rated value of	0 1
Voltage OFF-daily time OFF-daily tim	•	
OFF-delay time  • overload protection • overload reset • overload protection • overload		
Product function  • Overload protection • Overload protection • Overload protection • Phase failure detection • Seamont of the control of the	ON-delay time	
product function	OFF-delay time	10 24 ms
• vertical protection     • phase failure detection     • private failure detection     • seymmerly detection     • seymmerly detection     • rest which detection     • seymmerly detection     • set function     • cotterail reset     • c	Overload relay	
Phase failure detection Seymentry detection Seymentry detection Seymentry detection Seymentry detection Seymentry detection Seymentry S	product function	
- asymmetry detection - ignorund fault detection - ignorund fault detection - ignorund fault detection - caternal reset - caternal research - caternal reset -	<ul> <li>overload protection</li> </ul>	Yes
ground fault detection     external reset	<ul> <li>phase failure detection</li> </ul>	Yes
* Isast function	<ul> <li>asymmetry detection</li> </ul>	Yes
reset function Manual, automatic and remote trip class CLASS 57 10 / 20 (factory set) / 30  adjustable current response value current of overload relay * of or lingh rotational speed * of ro high rotational speed * of rotation for successory * product feature protective coating on printed-circuit board * Yes * or 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 * of AC at 600 V * at DC at 250 V * at DC at 250 V * of DC at 250 V * o	ground fault detection	Yes
reset function trip class of roles or rotational speed of rotation speed of rotation speed of rotation of rotation of rotational speed of rotation of rotatio	• test function	Yes
trip class adjustable current response value current of overload relay • for low rotational speed • for high rotat	external reset	Yes
adjustable current response value current of overload relay  for flow rotational speed  for find rotational speed  for high rota	reset function	Manual, automatic and remote
• for low rotational speed • for high rotational speed tripping time at phase-loss maximum  relative repeat accuracy product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay • at AC at 800 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 value • with multi-phase operation of according to built multi-phase operation of the conductor for supply voltage line-side tightening retrod tightening retrod tightening torque (lpf-in) for supply type of electrical connection for supply working or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque (lpf-in) for ad-side outgoing feeder tightening torque (lpf-in) ad-side outgoing feeder soft outgoing feeder single or multi-stranded temperature of the conductor for sos-sections of AWC cables for load-side outgoing feeder single or multi-stranded temperature of the conductor or tors-sections of AWC cables for load-side outgoing feeder single or multi-stranded temperature of the conductor or tors-sections of magnet coil for AWC ables single or multi-stranded temperature of the conductor for sos-sections of magnet coil for AWC ables single or multi-stranded temperature of the conductor for tors-sections of magnet coil for AWC ables single or multi-stranded temperature of the conductor for tors-sections of magnet coil for AWC ables single or multi-stranded temperature of the conductor for tors-sections of magnet coil for AWC ables single or multi-stranded  For tord tord tord tord tord tord tord to	trip class	CLASS 5 / 10 / 20 (factory set) / 30
• for high rotational speed  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  1 number of NC contacts of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  1 A  contact rating of auxiliary contacts of overload relay  • with single-phase operation at AC rated value  • with multi-phase operation of the obligation of supply with of the obligation of supply with operation of supply with operation of supply with operation of the obligation of supply with operation of the obligation of supply accordance of the obligation of s	adjustable current response value current of overload relay	
tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overload relay number of NC contacts 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 multi-phase operation at AC r	<ul> <li>for low rotational speed</li> </ul>	3 12 A
relative 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 at AC at 500 V at DC at 250 V 1A 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 according to the bousing mounting position wertical featening method Surface mounting and installation ype of electrical connection for supply voltage line-side stightening torque [bi-in] for supply ype of onencetable 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 load-side outgoing feeder type of electrical connectable conductor ross-sections for AWG cables for load-side outgoing feeder spreadure of the conductor for load-side outgoing feeder type of onnectable conductor for load-side outgoing feeder with exemperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder ability the conductor for load-side outgoing feeder with conductor for load-side outgoing feeder awing memissible material of the conductor at magnet coil gibrening torque [bi-in] of node-side outgoing feeder awing memissible material of the conductor at magnet coil ype of electrical connection of nagnet coil ype of electrical connection for auxiliary contacts Screw-type terminals tightening forque [bi-in] of node-side outgoing feeder awing	for high rotational speed	10 40 A
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e at AC at 600 V e at DC at 250 V 1A contact rating of auxillary contacts of overload relay according to UI. insulation voltage (UI) e with single-phase operation at AC rated value e with multi-phase operation at AC rated value e with multi-phase operation at AC rated value design of the housing indoors, usable on a general basis  Mounting/wiring  mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side tightening torque (Ibf-in) for supply yep of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible for load-side outgoing feeder single or multi-stranded tightening torque (Ibf-in) for load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible 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 at magnet coil Up of connectable conductor for load-side outgoing feeder 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 touth-stranded temperature of the conductor at contactor for auxiliary contacts screw-type terminals tightening torque [Ubf-in] at contactor for	number of NC contacts of auxiliary contacts of overload relay	1
at AC at 800 V at DC at 250 V 1 A  at DC at 250 V 1 A  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  feesign of the housing  mounting position  fastening method  fastening method  Surface mounting and installation  ype of electrical connection for supply voltage line-side  tightening torque [Ibf-in] for supply  ype of connectable conductor cross-sections at line-side for AVIG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  fype of electrical connection for load-side outgoing feeder  stype of electrical connection for load-side outgoing feeder  stype of electrical connection for load-side outgoing feeder  stype of connectable conductor cross-sections of magnet coil  type of electrical connection for load-side outgoing feeder  stype of electrical connection for load-side outgoing feeder  stype of electrical connection of magnet coil  type of electrical connection of magnet coil  type of electrical connection of magnet coil  type of electrical connection of magnet coil  stype of electrical connection of magnet coil  stype of electrical connection of magnet coil outgoing feeder  AL or CU  type of electrical connection of magnet coil  screw-type terminals  tightening torque [Ibf-in] at magnet coil  ype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil outgoing feeder  AL or CU  type of electrical connection for load-side outgoing feeder  screw-type terminals  tightening torque [Ibf-in] at magnet coil  ype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil outgoin feeder  screw-type terminals  tightening torque [Ibf-in] at contactor for auxiliary contacts  screw-t		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  ### Some V  ###	operational current of auxiliary contacts of overload relay	
contact rating of auxillary contacts of overload relay according to UL  • 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    **Good V**	• 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  design of the housing  mounting position  fastening method  fastening method  fype of electrical connection for supply voltage line-side  type of electrical connection for supply voltage line-side  screw-type terminals  stightening torque (Ibf-in) for supply  type of connectable conductor cross-sections at line-side for  AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  stightening torque (Ibf-in) for load-side outgoing feeder  stightening torque (Ibf-in) for load-side outgoing feeder  storew-type terminals  stightening torque (Ibf-in) at magnet coil  type of connectable conductor for load-side outgoing feeder  AL or CU  type of electrical connection of magnet coil  stype of connectable conductor for supple coll 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 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  permis	• at DC at 250 V	1 A
with single-phase operation at AC rated value     with multi-phase operation at AC rated value     indoors, usable on a general basis     mounting position     design of the housing     mounting position     statening method     type of electrical connection for supply voltage line-side     itightening torque [lbf-in] for supply         35 35 lbf-in         4		5
with multi-phase operation at AC rated value    Indoors, usable on a general basis	insulation voltage (Ui)	
with multi-phase operation at AC rated value    Indoors, usable on a general basis	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
design of the housing indoors, usable on a general basis  Mounting/wiring  mounting position vertical fastening method Surface mounting and installation  type of electrical connection for supply voltage line-side Screw-type terminals  tightening torque [lbf-in] for supply 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 active type 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 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  screw-type terminals  1 cro  5 °C  material of the conductor for load-side outgoing feeder maximum permissible  AL or CU  type of electrical connection of magnet coil  screw-type terminals  tightening torque [lbf-in] at magnet coil  type of connectable conductor at magnet coil maximum  permissible  temperature of the conductor at magnet coil maximum  permissible  cup of connectable conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor at contactor for multi-stranded  temperature of the conductor at contactor for auxiliary contacts  to contact and insta	a with multi-phage consection at AC acts of well-	
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mounting position  fastening method  Surface mounting and installation  Syre of electrical connection for supply voltage line-side  Screw-type terminals  tightening torque [lbf-in] for supply  35 35 lbf-in  1	· · · · ·	300 V
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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 sorew-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 material of the conductor at magnet coil cutype of electrical connection of magnet coil sorew-type terminals tightening torque [lbf-in] at conductor at magnet coil cutype of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts to conductor at conductor auxiliary contacts to conductor at conductor auxiliary contacts to conductor auxiliary contacts for auxiliary contacts to conductor at conductor auxiliary contacts to conductor auxiliary contacts for auxiliary contacts to conductor auxiliary contacts for auxiliary contacts to conductor auxiliary contacts for auxiliary contacts to conductor auxiliary contacts to c	Enclosure  design of the housing  Mounting/wiring  mounting position  fastening method	indoors, usable on a general basis  vertical  Surface mounting and installation
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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 rorss-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 to type of electrical connection for auxiliary contacts to type of electrical connection for auxiliary contacts to type of connectable conductor at magnet coil type of connectable conductor at contactor for auxiliary contacts  to type of connectable conductor of auxiliary contacts to type of connectable conductor of consections at contactor for auxiliary contacts to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at contactor for auxiliary contacts  to the conductor at conductor at contactor for auxiliary contacts  to the conductor a	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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in
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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  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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals
material of the conductor for load-side outgoing feeder  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  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  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  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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1
tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1  75 °C
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU
permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  screw-type terminals  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	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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals
material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  screw-type terminals  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	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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  5 12 lbf·in
type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  5 12 lbf·in  2
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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  5 12 lbf-in  2
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 type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  5 12 lbf-in  2  75 °C  CU
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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  2  75 °C  CU  Screw-type terminals
·	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 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	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf-in  1  75 °C  AL or CU  Screw-type terminals  5 12 lbf-in  2  75 °C  CU  Screw-type terminals  1 15 lbf-in
material of the conductor at contactor for auxiliary contacts  CU	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 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 electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts	indoors, usable on a general basis  vertical  Surface mounting and installation  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  35 35 lbf·in  1  75 °C  AL or CU  Screw-type terminals  5 12 lbf·in  2  75 °C  CU  Screw-type terminals  1 15 lbf·in  1

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
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	10
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
Further information	

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:30DUEC32B2VA

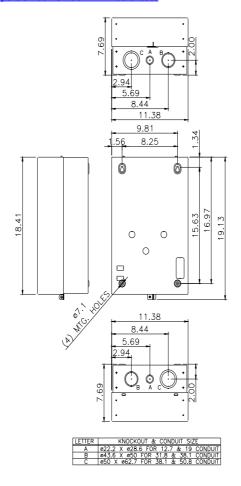
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:30DUEC32B2VA

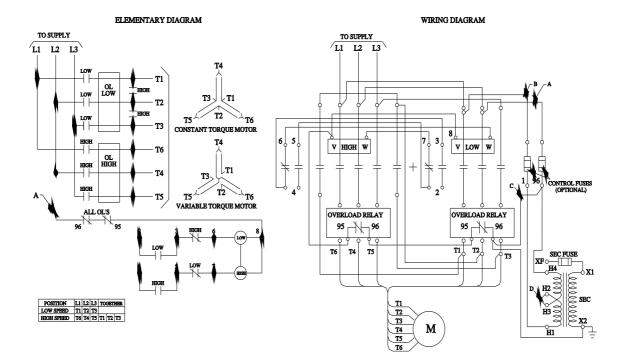
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:30DUEC32B2VA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:30DUEC32B2VA/certificate





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