## **SIEMENS**

Data sheet US2:22EUE32BF



Reversing motor starter, Size 1 3/4, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 110V 50Hz / 120V 60Hz coil, Noncombination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure

Figure similar

product brand name	Class 22
design of the product	Full-voltage reversing motor starter
special product feature	ESP200 overload relay; Half-size starter
General technical data	
weight [lb]	23 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
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	10 hp
<ul> <li>at 220/230 V rated value</li> </ul>	10 hp
<ul><li>at 460/480 V rated value</li></ul>	15 hp
<ul><li>at 575/600 V rated value</li></ul>	15 hp
Contactor	
size of contactor	Controller half size 1 3/4
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	40 A
mechanical service life (switching cycles) of the main contacts typical	10000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	

holding power at AC minimum spaperent pick-up power of magnet coil at AC spaperent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time 19 29 ms OFF-delay time 10 24 ms  Overload rolesy product function • overload protection • phase failure detection • passe failure detection • symmetry detection • symmetry detection • symmetry detection • set function • test function • external reset reset function  fing class reset function  fing class reset function  fing class reset function  fing class  fing class  fing class  fing class  fing class  fing class  fi		
holding power at AC minimum apparent pick-up power of magnet coil at AC apparent pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time OF-delay	at AC at 50 Hz rated value	110 V
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC 25 VA personal for poot voltage of magnet coil at AC 25 VA personal drop-out voltage of magnet coil related to the input voltage of magnet coil ON-delay time 0F-delay time 19 29 ms OF-delay time 0 overload protection • overload protection • overload protection • phase failure detection • phase failure detection • ground fault detection • ground fault detection • external reset  reset function • overload protection • overload protection • covernal reset  reset function • overload protection • covernal reset  reset function • overload protection • overload protection • overload protection • ground fault detection • deternal reset  reset function • overload protection • overload protection • overload release  reset function • overload release  1 %		
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time OFF-delay time 19 29 ms OFF-delay time 10 24 ms  Overload relay product function • overload protection • phase failure detection • asymmetry detection • asymmetry detection • test function • external reset • ground fault detection • external reset • ground fault detection • external reset • ground fault detection • test function  Itip class CLASS 5 / 10 / 20 (factory set) / 30  adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • with multi-phase operation at AC rated value • with multi-phase operation at AC	0.1	
operating range factor control supply voltage rated value of magnet coil related to the input voltage of protection  operating range factor control supply voltage line-side up of the first input voltage (ID) of voltage in supply voltage line-side gipten in position of mounting local control for supply voltage line-side gipten in position of mounting position of the current rate of electrical connection for supply voltage line-side gipten in position of position of mounting position of the current of mounting position of magnetic position of the current response value current of the current dependent overload release make time with automatic start after power failure maximum elative repeat accuracy operational current of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at Contacts of auxiliary contacts of overload relay at Contact at 250 V		
of magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time 19 29 ms OFF-delay time 10 24 ms  Overload relay  product function • overload protection • phase failure detection • phase failure detection • ground fault detection • est function • external reset • est function • external reset  reset function  trip class adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum relative repeat accuracy product feature protective coating on printed-circuit board 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 • with single-phase operation at AC rated value • with single-phase operation at AC rated value • with multi-phase operation of accurate value degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position  vertical variace mounting and installation type of electrical connection for supply voltage line-side		
input voltage ON-delay time OFF-delay time OFF-delay time Overload relay product function • overload protection • phase failure detection • asymmetry detection • ground fault detection • external reset • external reset  reset function  tip class adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum relative repeat accuracy product feature protective coaling on printed-circuit board 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 • 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 MEMA rating design of the housing  Mounting/wiring mounting position fastening method type of electrical connect bird in for supply voltage line-side tightening torque [bf-in] for supply  45 — 36 bf-in	of magnet coil	
OFF-delay time 10 24 ms  Overload relay  product function  • overload protection • phase failure detection • phase failure detection • pround fault detection • coround fault detection • test function • test function • external reset  reset function  trip class adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum  relative repeat accuracy product feature protective coating on printed-circuit board 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 • 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 multi-phase operation at AC rated value • with relative repeat accuracy  for AC at 600 V  5 A  600 V  5 A  600 V		50 %
product function  • overload protection  • overload protection  • phase failure detection  • asymmetry detection  • ground fault detection  • external reset  reset function  trip class  adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum  relative repeat accuracy  number of NC contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  • at DC at 250 V  contact rating of auxiliary contacts of overload relay  • 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 multi-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 single-phase operation at AC rated value  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with sing	ON-delay time	19 29 ms
product function  • overload protection  • phase failure detection  • asymmetry detection  • asymmetry detection  • ground fault detection  • test function  • external reset  reset function  • external reset  reset function  • tip class  adjustable current response value current of the current-dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy  product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  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 supplies of the value of the value of the value of the value of	OFF-delay time	10 24 ms
overload protection     ophase failure detection     asymmetry detection     orground fault detection     orground fault detection     orground fault detection     ves     oexternal reset     reset function     trip class     adjustable current response value current of the current-dependent overload release     make time with automatic start after power failure     maximum     relative repeat accuracy     product feature protective coating on printed-circuit board     number of NC contacts of auxiliary contacts of overload     relay     oeat C at 250 V     oat C at 250 V     oat C at 250 V     ountcat falling of auxiliary contacts of overload relay     owith multi-phase operation at AC rated value     owith multi-phase operation a	verload relay	
phase failure detection asymmetry detection yes ground fault detection yes est function est function yes external reset yes reset function trip class adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum relative repeat accuracy product feature protective coating on printed-circuit board relay number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at DC at 250 V be 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 fease of protection NEMA rating design of the housing mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  45 45 lbf-in	product function	
• asymmetry detection • ground fault detection • test function • external reset  reset function  • external reset  reset function  tip class  adjustable current response value current of the current-dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy  product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  at AC at 800 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 operation at AC rated value  with multi-phase operation at AC rated value  degree of protection NEMA rating degree of protection NEMA rating featening method type of electrical connection for supply voltage line-side tightening torque [libf-in] for supply  45 45 libf-in	<ul> <li>overload protection</li> </ul>	Yes
• ground fault detection • test function • external reset  reset function  Manual, automatic and remote  CLASS 5 / 10 / 20 (factory set) / 30  adjustable current response value current of the current-dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V • at DC at 250 V • at DC at 250 V • at DC at 250 V  with single-phase operation at AC rated value • with multi-phase operation of multiput indoors, usable on a general basis  Mounting/wiring  mounting position  fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  45 45 lbf-in	<ul> <li>phase failure detection</li> </ul>	Yes
ester function     external reset     reset function     Manual, automatic and remote     trip class     CLASS 5 / 10 / 20 (factory set) / 30     adjustable current response value current of the current-dependent overload release     make time with automatic start after power failure     maximum     relative repeat accuracy     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     eat DC at 250 V     eat DC at 250 V     eat DC at 250 V     insulation voltage (Ui)     ewith single-phase operation at AC rated value     ewith multi-phase operation at AC rated value     ewith multi-phase operation at AC rated value     ewith multi-phase operation in the Carted value     evith multi-phase operation of a Carted value	<ul> <li>asymmetry detection</li> </ul>	Yes
reset function  trip class  class 5 / 10 / 20 (factory set) / 30  adjustable current response value current of the current- dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy 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  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 operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation of the housing    1	<ul> <li>ground fault detection</li> </ul>	Yes
reset function  trip class  adjustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum  relative repeat accuracy 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  number of NO contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V • at DC at 250 V  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  Enclosuro  degree of protection NEMA rating design of the housing  mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [libf-in] for supply  45 45 lbf-in	• test function	Yes
trip class  adjustable current response value current of the current- dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy  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 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 operation at AC rated value • with multi-phase operation at AC rated value fersions  degree of protection NEMA rating design of the housing  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  to the current of the current- deprendent verious fall and the current- dependent verious fall and the	external reset	Yes
adjustable current response value current dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy 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 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 operation at AC rated value • with multi-phase operation at AC rated value sufficiency degree of protection NEMA rating design of the housing  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  1 %  1 %  9 x  1 %  9 x  1 %  9 x  1 1  4 0 x  5 A  5 A  6 0 0 V  5 A  6 0 0 V  9 x  300 V  Enclosure  4 degree of protection NEMA rating fastening method  5 vertical  5 x  5 x  5 x  5 x  6 x  5 x  6 x  6 x	reset function	Manual, automatic and remote
dependent overload release make time with automatic start after power failure maximum  relative repeat accuracy 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  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 operation at AC rated value  • with multi-phase operation at AC rated value sign of the housing  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  45 45 lbf-in	trip class	CLASS 5 / 10 / 20 (factory set) / 30
relative repeat accuracy 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 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 operation at AC rated value • with multi-phase operation at AC rated value actionsure  degree of protection NEMA rating design of the housing  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  1 %  1 %  5 %  5 A  • 1 A  5 A  • 2 A  • 4 A  • 4 A  • 5 A  • 5 A  • 5 A  • 600 V A  5 A  600 V  900 V  9		10 40 A
relative repeat accuracy 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 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 operation at AC rated value  • with multi-phase operation at AC rated value  facility of the housing  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  1   1   2   3   4   5   A  5   A  600 V  5   A  600 V  300 V  600 V  500 V  600	•	3 s
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 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 operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  fegree of protection NEMA rating  design of the housing  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  yes  1  1  600 V  300 V  800 V  900	relative repeat accuracy	1 %
number of NO contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V • at DC at 250 V  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  ferciosure  degree of protection NEMA rating  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  1	product feature protective coating on printed-circuit board	Yes
relay  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 operation at AC rated value  source  degree of protection NEMA rating  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  5 A  5 A  5 A  6 A  6 O V  5 A  1 A  600 V (B600), 1A@250VDC (R300)  5 A@600VAC (B600), 1A@250VDC (R300)  5 A  6 O V  6 O V  6 O V  9 O V  1 O V	· · · · · · · · · · · · · · · · · · ·	1
at AC at 600 V at DC at 250 V  tontact 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 fenciosure  degree of protection NEMA rating 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  5 A 1 A 5 A 6000VAC (B600), 1A@250VDC (R300)  5 A 1 A 5 A 6000VAC (B600), 1A@250VDC (R300)  1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1		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  degree of protection NEMA rating  design of the housing  mounting/wiring  mounting position  fastening method  type of electrical connection for supply  to AB (000 V and 000 V)  5A@600VAC (B600), 1A@250VDC (R300)  600 V  300 V  1 A  5A@600VAC (B600), 1A@250VDC (R300)  four insulation voltage (Ui)  and 000 V  and 000 V  because of protection NEMA rating  indoors, usable on a general basis  Vertical  Surface mounting and installation  Surface mounting and installation  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  45 45 lbf-in	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  100 V  Enclosure  degree of protection NEMA rating 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  5A@600VAC (B600), 1A@250VDC (R300)  600 V  600 V  600 V  900	• at AC at 600 V	5 A
according to UL insulation voltage (Ui)  • with single-phase operation at AC rated value • with multi-phase operation at AC rated value  300 V  Enclosure  degree of protection NEMA rating  design of the housing  fastening method  fastening method  type of electrical connection for supply  to with single-phase operation at AC rated value  600 V  300 V  Enclosure  indoors, usable on a general basis  Vertical  Surface mounting and installation  Screw-type terminals  tightening torque [lbf-in] for supply  45 45 lbf-in	• at DC at 250 V	1 A
<ul> <li>with single-phase operation at AC rated value</li> <li>with multi-phase operation at AC rated value</li> <li>300 V</li> <li>Enclosure</li> <li>degree of protection NEMA rating</li> <li>design of the housing</li> <li>indoors, usable on a general basis</li> <li>Mounting/wiring</li> <li>mounting position</li> <li>fastening method</li> <li>type of electrical connection for supply voltage line-side</li> <li>tightening torque [lbf-in] for supply</li> <li>45 45 lbf-in</li> </ul>		5A@600VAC (B600), 1A@250VDC (R300)
<ul> <li>with multi-phase operation at AC rated value</li> <li>Enclosure</li> <li>degree of protection NEMA rating</li> <li>design of the housing</li> <li>indoors, usable on a general basis</li> <li>Mounting/wiring</li> <li>mounting position</li> <li>fastening method</li> <li>type of electrical connection for supply voltage line-side</li> <li>tightening torque [lbf-in] for supply</li> <li>45 45 lbf-in</li> </ul>	insulation voltage (Ui)	
Enclosure         degree of protection NEMA rating       1         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       45 45 lbf-in	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
degree of protection NEMA rating  design of the housing  indoors, usable on a general basis  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  1  indoors, usable on a general basis  Vertical  Surface mounting and installation  Screw-type terminals  45 45 lbf-in	<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
degree of protection NEMA rating  design of the housing  indoors, usable on a general basis  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  1  indoors, usable on a general basis  Vertical  Surface mounting and installation  Screw-type terminals  45 45 lbf-in	nclosure	
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 45 45 lbf-in	degree of protection NEMA rating	1
Mounting/wiring     Vertical       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     45 45 lbf-in		
mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  Vertical  Surface mounting and installation  Screw-type terminals  45 45 lbf-in		
fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  Surface mounting and installation  Screw-type terminals  45 45 lbf·in		Vertical
type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  Screw-type terminals  45 45 lbf·in	3.	
tightening torque [lbf·in] for supply  45 45 lbf·in		
10 to 3 to 4 to 1		
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded 1x (14 2 AWG)	type of connectable conductor cross-sections at line-side	1x (14 2 AWG)
temperature of the conductor for supply maximum permissible 75 °C	temperature of the conductor for supply maximum	75 °C
material of the conductor for supply  AL or CU		Al or CU
type of electrical connection for load-side outgoing feeder  Screw-type terminals		
tightening torque [lbf-in] for load-side outgoing feeder 45 45 lbf-in		•
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  1x (14 2 AWG)	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C		75 °C
material of the conductor for load-side outgoing feeder AL or CU	material of the conductor for load-side outgoing feeder	AL or CU
type of electrical connection of magnet coil  Screw-type terminals		Scrow type terminals
tightening torque [lbf·in] at magnet coil 5 12 lbf·in	type of electrical connection of magnet coil	Screw-type terminals
	type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil	

coil at AWG cables single or multi-stranded	
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
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 at AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (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,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:22EUE32BF

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:22EUE32BF">https://support.industry.siemens.com/cs/US/en/ps/US2:22EUE32BF</a>

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22EUE32BF&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22EUE32BF/certificate

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