## **SIEMENS**

Data sheet US2:22GUG32BE

Reversing motor starter, Size 2 1/2, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Non-combination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure





Figure similar

product brand name    Class 22		
Special product feature  General technical data  weight [b] Height x Width x Depth [in] 20 x 12 x 8 in  Nouch protection against electrical shock Na for enclosed products installation altitude [ft] at height above sea level maximum ambient temperature [FT] during storage during operation ambient temperature during storage during operation 30 +65 °C during storage during operation JUSA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/209 V rated value at 460/480 V rated value at 4575/600 V rated value at 575/600 V rated value goperation yollage for main contacts operating yollage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts placed  Auxiliary contact  In number of NC contacts at contactor for auxiliary contacts number of NC contacts	·	
Weight [Ib] 25 lb  Height x Width x Depth [in] 20 x 12 x 8 ln  touch protection against electrical shock NA for enclosed products installation altitude [fi] at height above sea level maximum 6560 ft  ambient temperature [*F] 4 utring storage 22 +149 *F 4 utring operation 4 +104 *F  ambient temperature 4 during operation 4 +104 *F  adding operation 20 +465 *C  - 20 +40 *C  country of origin USA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor 4 at 200/208 V rated value 20 hp  - at 460/480 V rated value 30 hp  - at 450/480 V rated value 30 hp  - at 450/480 V rated value 30 hp  - at 450/5600 V rated value 600 V rated value 600 V  mumber of NO contacts for main contacts 7 contacts for main contacts 9 operational current at AC at 600 Hz maximum 600 V at 100 V a		ū ū
weight [ib] 25 lb Height x Width x Depth [in] 20 × 12 × 8 in touch protection against electrical shock Installation altitude [it] at height above sea level maximum 6560 ft ambient temperature [it] • during storage 22 +149 "F • during operation 4 +104 "F ambient temperature • during operation 20 +65 "C • during operation 30 +65 "C • during operation 4 +104 "F  Wisheld of the control operation 4 +104 "C  Country of origin 4 +104 "C  Oph 20 hp • at 200/208 V rated value 20 hp • at 200/208 V rated value 20 hp • at 460/480 V rated value 20 hp • at 475/600 V rated value 30 hp  Contactor  Size of contactor 50 contactor 50 contactor 50 contactor 60 V  mumber of NO contacts for main contacts 30 operational current at AC at 600 V rated value 60 A  mechanical service life (operating cycles) of the main contacts 50 contactor 10000000  Auxiliary contact 10 contacts at contactor for auxiliary contacts 10 contact rating of NO contacts at contactor for auxiliary contacts 11 contact rating of auxiliary contacts 11 contact rating of auxiliary contacts 12 contact rating of auxiliary contacts 13 contact of contacts at contactor for auxiliary contact 11 contact auxiliary contacts 14 contact auxiliary contacts 14 contact auxiliary contacts 15 contact auxiliary contacts 16 contact auxiliary contacts 17 contact auxiliary contacts 17 contact auxiliary contacts 18 contactor according to UL 10 contacts auxiliary contacts 19 contact 19	· ·	ESP200 overload relay; Half-size starter
Height x Width x Depth [in]  touch protection against electrical shock  NA for enclosed products  installation altitude [ft] at height above sea level maximum  ambient temperature [*F]  • during storage • during operation  ambient temperature  • during storage • during operation  ambient temperature  • during operation  country of origin  USA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value  Size of contactor  contactor  size of contactor Controller half size 2 1/2  number of NC contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 60 A  mechanical service life (operating cycles) of the main contacts 10000000  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at		
touch protection against electrical shock installation altitude [ft] at height above sea level maximum abient temperature [*F] • during storage • during operation -4 +104 *F  ambient temperature • during operation -20 +65 *C • during operation -20 +40 *C  country of origin  WSA  Horsepower rattings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value  20 hp • at 575/600 V rated value  30 hp  Contactor  Size of contactor  size of contactor main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts 10000000  Coll  Oil  Type of voltage of the control supply voltage at AC at 50 Hz rated value 550 V at AC at 50 Hz rated value 550 V	weight [lb]	25 lb
installation altitude [ft] at height above sea level maximum ambient temperature [°F] eduring storage during storage during storage during storage during storage during storage during operation  Source during operation  Source	Height x Width x Depth [in]	20 × 12 × 8 in
ambient temperature ["F]  • during storage  • during operation  ambient temperature  • during storage  • during operation  • during operation  • during operation  • during operation  • country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 4575/600 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  • at 600 A  moentands for main current circuit at AC at 60 Hz  maximum  operational current at AC at 600 V rated value  for Auxiliary contact  number of NO contacts at contactor for auxiliary contacts  number of NO contacts at contactor f	touch protection against electrical shock	NA for enclosed products
• during storage     • during operation     ambient temperature     • during storage     • during storage     • during operation     • during operation     • during operation     • 20 +40 °C     country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor     • at 200/208 V rated value     • at 220/230 V rated value     • at 460/480 V rated value     • at 575/600 V rated value     • at 575/600 V rated value     • at 700 contactor  size of contactor  size of contactor  size of contactor  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxillary contact  number of NC contacts at contactor for auxillary contacts  number of NC contacts at contactor for auxillary contacts  number of NC contacts at contactor for auxillary contacts  number of NC contacts at contactor for auxillary contacts  number of NC contacts at contactor for auxillary contacts  number of NO contacts at contactor for auxillary contacts  number of NO contacts at contactor for auxillary contacts  1 0 number of NO contacts at contactor for auxillary contacts  1 1 number of NO contacts at contactor for auxillary contacts  1 1 number of NO contacts at contactor for auxillary contacts  1 1 number of NO contacts at contactor for auxillary contacts  1 1 number of NO contacts at contactor for auxillary contacts  1 1 number of NO contacts at contactor for auxillary contacts  2 1 number of NO contacts at contactor for auxillary contacts  3 2 No contact rating of auxillary contacts of contactor according to UL  4 2 2 3 2 3 3 4 5 5 4 5 6 6 7 5 6 6 0 V  • at AC at 50 Hz rated value	installation altitude [ft] at height above sea level maximum	6560 ft
during operation     during storage     during operation      during operation	ambient temperature [°F]	
ambient temperature  • during storage • during operation -20 +40 °C country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value  Size of contactor  size of contactor  size of contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  60 A  mechanical service life (operating cycles) of the main contacts typical  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 7 contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage • at AC at 50 Hz rated value	<ul> <li>during storage</li> </ul>	-22 +149 °F
• during storage     • during operation     • 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     • at 220/230 V rated value     • at 460/480 V rated value     • at 460/480 V rated value     • at 575/600 V rated value     • at 575/600 V rated value     • at 675/600 V rated value     • at 60 NO contactor  Size of contactor  Size of contactor  size of notactor Controller half size 2 1/2 number of NO contacts for main contacts     • aperating voltage for main current circuit at AC at 60 Hz maximum  operating voltage for main current circuit at AC at 60 Hz mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts     number of NC contacts at contactor for auxiliary contacts     1 number of NC auxiliary contacts at contactor for auxiliary contacts     1 number of total auxiliary contacts of contactor according to UL  Coll  type of voltage of the control supply voltage     • at AC at 50 Hz rated value     • at AC at 50 Hz rated value     • at AC at 60 Hz rated value	during operation	-4 +104 °F
oduring operation     country of origin     USA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor     at 200/208 V rated value     at 2200/230 V rated value     at 460/480 V rated value     at 460/480 V rated value     at 460/480 V rated value     at 575/600 V rated value     at 575/600 V rated value     at 755/600 V rated value     contactor  Size of contactor  Inumber of NO contacts for main contacts     aperating voltage for main current circuit at AC at 60 Hz maximum     operating voltage for main current circuit at AC at 60 Hz mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum     7 contact rating of auxiliary contacts of contactor according to UL  Coll  type of voltage of the control supply voltage     of total 50 Hz rated value     at AC at 50 Hz rated value     at AC at 50 Hz rated value     st AC at 50 Hz rated value	ambient temperature	
country of origin  USA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 475/5600 V rated value • at 575/600 V rated value • at 575/600 V rated value  Size of contactor  Size of contactor  size of contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  60 A  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts 10000000  number of NC contacts at contactor for auxiliary contacts 10000000  Coll  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  • at AC at 60 Hz rated value  • 550 V  • at AC at 60 Hz rated value  • 575 600 V	during storage	-30 +65 °C
Welded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  at 200/208 V rated value  at 460/480 V rated value  at 575/600 V rated value  30 hp  Contactor  size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  60 A  mechanical service life (operating cycles) of the main contacts  typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts for auxiliary contacts  1 100@600VAC (A600), 5A@600VDC (P600)  Coil  type of voltage of the control supply voltage  • at AC at 60 Hz rated value  • 550 V  • at AC at 60 Hz rated value  550 V	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 460/480 V rated value  at 575/600 V rated value  at 575/600 V rated value  at 575/600 V rated value  contactor  size of contactor  number of NO contacts for main contacts  aperating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  for AC and a for AC a	country of origin	USA
at 220/208 V rated value at 220/230 V rated value at 460/480 V rated value  Contactor  Size of contactor  number of NO contacts for main contacts aperating voltage for main current circuit at AC at 60 Hz maximum  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  for A mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts for auxiliary contacts  number of total auxiliary contacts of contactor according to UL  Tocoll  type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value at AC at 60 Hz rated value  550 V at AC at 60 Hz rated value  575 600 V	Horsepower ratings	
<ul> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>30 hp</li> <li>at 575/600 V rated value</li> <li>30 hp</li> </ul> Contactor <ul> <li>size of contactor</li> <li>controller half size 2 1/2</li> </ul> number of NO contacts for main contacts <ul> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operational current at AC at 600 V rated value</li> <li>600 V</li> <li>mechanical service life (operating cycles) of the main contacts typical</li> </ul> Auxiliary contact <ul> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>type of voltage of the control supply voltage</li> <li>at AC at 50 Hz rated value</li> <li>550 V</li> <li>at AC at 60 Hz rated value</li> <li>575 600 V</li> </ul>	yielded mechanical performance [hp] for 3-phase AC motor	
<ul> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>30 hp</li> </ul> Contactor <ul> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operational current at AC at 600 V rated value</li> <li>operational service life (operating cycles) of the main contacts typical</li> </ul> Auxiliary contact <ul> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>type of voltage of the control supply voltage</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> <li>550 V</li> <li>at AC at 60 Hz rated value</li> </ul>	• at 200/208 V rated value	15 hp
at 575/600 V rated value      Size of contactor  size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  operational service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  recontact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage      at AC at 50 Hz rated value      at AC at 60 Hz rated value      550 V      at AC at 60 Hz rated value      575 600 V	• at 220/230 V rated value	20 hp
size of contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts 10000000  number of total auxiliary contacts maximum 7 contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  550 V  • at AC at 60 Hz rated value  575 600 V	• at 460/480 V rated value	30 hp
size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  rocontact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  • at AC at 60 Hz rated value  555 600 V	● at 575/600 V rated value	30 hp
number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  operational service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Tooli  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value 60 A  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum 7  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  • at AC at 60 Hz rated value  575 600 V	size of contactor	Controller half size 2 1/2
maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  575 600 V	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Toda@600VAC (A600), 5A@600VDC (P600)  Coil  type of voltage of the control supply voltage  o at AC at 50 Hz rated value  at AC at 60 Hz rated value  550 V  755 600 V		600 V
Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  o at AC at 50 Hz rated value  at AC at 60 Hz rated value  575 600 V	operational current at AC at 600 V rated value	60 A
number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  o at AC at 50 Hz rated value  at AC at 60 Hz rated value  o at AC at 60 Hz rated value  o at AC at 50 Hz rated value  o at AC at 50 Hz rated value  o at AC at 60 Hz rated value  o at AC at 50 Hz rated value  o at AC at 50 Hz rated value  o at AC at 50 Hz rated value		1000000
number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  o at AC at 50 Hz rated value  at AC at 60 Hz rated value  10A@600VAC (A600), 5A@600VDC (P600)  AC  AC	Auxiliary contact	
number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  575 600 V	number of NC contacts at contactor for auxiliary contacts	0
contact rating of auxiliary contacts of contactor according to UL  10A@600VAC (A600), 5A@600VDC (P600)  type of voltage of the control supply voltage  control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  575 600 V	number of NO contacts at contactor for auxiliary contacts	1
type of voltage of the control supply voltage  control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  575 600 V	number of total auxiliary contacts maximum	7
type of voltage of the control supply voltage  control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  550 V  575 600 V	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  550 V  575 600 V	Coil	
control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  575 600 V	type of voltage of the control supply voltage	AC
• at AC at 60 Hz rated value 575 600 V		
	at AC at 50 Hz rated value	550 V
	• at AC at 60 Hz rated value	575 600 V
	holding power at AC minimum	

apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
overload protection	Yes
phase failure detection	Yes
asymmetry detection	Yes
ground fault detection	Yes
• test function	Yes
external reset	Yes
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	25 100 A
make time with automatic start after power failure maximum	3 s
relative repeat accuracy	1%
product feature protective coating on printed-circuit board	Yes
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
with multi-phase operation at AC rated value	300 V
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	Box lug
tightening torque [lbf·in] for supply	45 45 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	1x (14 2 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	AL or CU
type of electrical connection for load-side outgoing feeder	Box lug
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)
load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	1x (14 2 AWG) 75 °C
load-side outgoing feeder single or multi-stranded	
load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
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	75 °C  AL or CU
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	75 °C  AL or CU  Screw-type terminals
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 at	75 °C  AL or CU  Screw-type terminals  5 12 lbf·in
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 at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	75 °C  AL or CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)
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 at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible	75 °C  AL or CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)  75 °C
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 at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	75 °C  AL or CU Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU
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 at 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	75 °C  AL or CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)  75 °C  CU Screw-type terminals

maximum permissible material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit turrent breaking capacity (Icu)  • at 240 V  • at 480 V  • at 600 V		
type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  maximum short-circuit current breaking capacity (lcu)  • at 240 V  • at 480 V  Screw-type terminals  7 10 lbf-in  2x (20 14 AWG)  75 °C  CU  CU  Thermal magnetic circuit breaker	maximum permissible	
tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA	material of the conductor at contactor for auxiliary contacts	CU
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA	· ·	Screw-type terminals
at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA	tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf-in
contacts maximum permissible material of the conductor at overload relay for auxiliary contacts  CU  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  Thermal magnetic circuit breaker  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA		2x (20 14 AWG)
Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA		75 °C
design of the fuse link for short-circuit protection of the main circuit required  design of the short-circuit trip  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA	material of the conductor at overload relay for auxiliary contacts	CU
circuit required  design of the short-circuit trip  maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA	Short-circuit current rating	
maximum short-circuit current breaking capacity (Icu)  • at 240 V  • at 480 V  10 kA	· ·	10kA@600V (Class H or K); 100kA@600V (Class R or J)
● at 240 V 14 kA ● at 480 V 10 kA	design of the short-circuit trip	Thermal magnetic circuit breaker
• at 480 V 10 kA	maximum short-circuit current breaking capacity (Icu)	
	• at 240 V	14 kA
• at 600 V	• at 480 V	10 kA
	• at 600 V	10 kA
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	Further information	

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

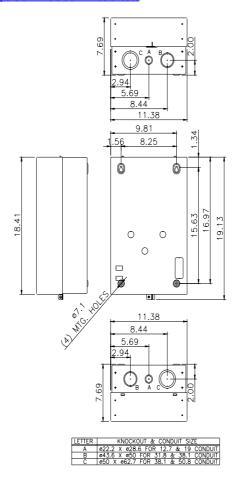
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:22GUG32BE

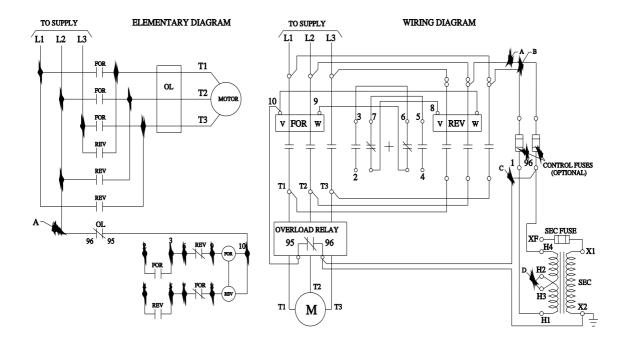
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:22GUG32BI

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22GUG32BE&lang=en

Certificates/approvals
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