## **SIEMENS**

Data sheet US2:18HUG82WE



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Combination type, 125A circuit breaker, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Extra-wide enclosure

Figure similar

design of the product special product feature Seproal product seture Seproal product seture Seproal product seture Seproal seture seture seture Seproal seture seture seture Seproal seture setur	product brand name	Class 18 & 26
Height x Width x Depth [in] 36 × 24 × 8 in   touch protection against electrical shock   installation altitude [it] at height above sea level maximum   ambient temperature [*F]   • during storage	design of the product	Full-voltage non-reversing motor starter with motor circuit protector
Height x Width x Depth [in]  touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation	special product feature	ESP200 overload relay
touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage	General technical data	
installation altitude [ft] at height above sea level maximum ambient temperature [*F]  • during storage • during operation  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 4575/600 V rated value • at 4675/600 V rated value • at 575/600 V rated value  • operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contacts for auxiliary contacts number of NC contacts at contacts for auxiliary contacts number of NC contacts at contacts of contacts number of NC contacts at contacts of contacts number of NC contacts at contacts for auxiliary contacts number of NC contacts at contacts for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  control supply voltage  • at AC at 50 Hz rated value  550 V	Height x Width x Depth [in]	36 × 24 × 8 in
ambient temperature [*F]  • during storage • during operation  ambient temperature  • during storage • during operation  • during storage • during operation  -20 +40 *C   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 575/600 V rated value • 50 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  poperational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts (bycial)  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 total auxiliary contacts maximum  contact rating of 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  525 hp  -30 +40 *C  -4 +104 *F  -4 +104 *F  -4 +104 *F  -30 +40 *C  -4 +104 *	touch protection against electrical shock	NA for enclosed products
• during storage • during operation ambient temperature • during operation • at 200/208 V rated value • 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 • 50 hp  Contactor  size of contactor  size of contactor 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 (switching cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at c	installation altitude [ft] at height above sea level maximum	6560 ft
during operation     ambient temperature     during storage     during operation     during operation     during operation  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     isize of contactor  size of contactor  number of NO contacts for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  poperational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts yicical  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 vocontacts at contactor for auxiliary contacts number of vocontac	ambient temperature [°F]	
ambient temperature  • during storage • during operation  -20 +65 °C  -20 +40 °C  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  50 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  90 A  mechanical service life (switching 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 total auxiliary contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage • at AC at 50 Hz rated value  500 +65 °C  -20 +40 °C  Horsepower ratings  30 +65 °C  -20 +40 °C  Horsepower ratings  30 hp  50 hp  600 V  NEMA controller size 3  600 V  60	<ul> <li>during storage</li> </ul>	-22 +149 °F
• during storage     • during operation     • during operation  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  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 (switching cycles) of the main contacts typical  Auxillary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts at contactor for auxiliary contacts number of total auxiliary contacts at contactor according to UL  Coil  Type of voltage of the control supply voltage  • at AC at 50 Hz rated value  550 V	during operation	-4 +104 °F
oduring operation     Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor     o at 200/208 V rated value	ambient temperature	
yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value	<ul> <li>during storage</li> </ul>	-30 +65 °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 4575/600 V rated value • at 575/600 V rated value  • 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  mechanical service life (switching 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 NO contacts at contactor for auxiliary contacts number of total auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage • at AC at 50 Hz rated value  25 hp  NEMA controller size 3  NEMA controller size 3  00 V  600 V	<ul> <li>during operation</li> </ul>	-20 +40 °C
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 by at 575/600 V rated value by at 575/600 V rated value  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 current at AC at 600 V rated value operational service life (switching 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 total auxiliary contacts maximum 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  25 hp 30 hp 40 hp 40 hp 40 hp 40 hp 40 A 50 hp 40 A 600 V 600	Horsepower ratings	
at 200/208 V rated value at 220/230 V rated value at 260/480 V rated value at 460/480 V rated value by the at 575/600 V rated value  Contactor  size of contactor  number of NO contacts for main contacts 3 coperating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value poperational current at AC at 600 V rated value mechanical service life (switching 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  Coil  type of voltage of the control supply voltage	yielded mechanical performance [hp] for 3-phase AC	
at 220/230 V rated value at 460/480 V rated value 50 hp at 575/600 V rated value 50 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 90 A mechanical service life (switching 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 50 hp 600 V		
at 460/480 V rated value  at 575/600 V rated value  50 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 mechanical service life (switching 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  Coil type of voltage of the control supply voltage  at AC at 50 Hz rated value  50 hp  NEMA controller size 3  NEMA controller size 3  NEMA controller size 3  3  600 V  600 V  600 V  600 V  7  600 T  600 V  600	• at 200/208 V rated value	25 hp
otatactor  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 (switching 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 maximum  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  NEMA controller size 3  NEMA controller size 3  0  0  0  0  0  0  1  1  1  1  1  1  1	• at 220/230 V rated value	30 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 (switching 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  Coil  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  NEMA controller size 3  NEMA controller size 3  3  600 V  600 V  600 V  7  50000000  50000000  6000000  7  100000000  100000000  100000000	<ul><li>at 460/480 V rated value</li></ul>	50 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 service life (switching 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  Coil  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  NEMA controller size 3  3  600 V  600 V  7  100 A  1	• at 575/600 V rated value	50 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 current at AC at 600 V rated value  mechanical service life (switching 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  Coil  type of voltage of the control supply voltage  at AC at 50 Hz rated value  operating voltage at AC at 600 V  and 000 V  by A  5000000  1000000  10000000  1000000000	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  operational service life (switching 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  Coil  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  600 V	size of contactor	NEMA controller size 3
maximum operational current at AC at 600 V rated value  mechanical service life (switching 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  Coil  type of voltage of the control supply voltage  at AC at 50 Hz rated value  90 A  5000000  5000000  1000000  10000000  100000000	number of NO contacts for main contacts	3
mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  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  5000000  5000000  10000000  1000000000		600 V
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  Coil  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  Auxiliary contacts  0  10A@600VAC (A600), 5A@600VDC (P600)  10A@600VAC (A600), 5A@600VDC (P600)  AC  control supply voltage  • at AC at 50 Hz rated value	operational current at AC at 600 V rated value	90 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 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  Ontacts at contactor for auxiliary contacts 1 10A@600VAC (A600), 5A@600VDC (P600)  AC  AC  Solve  550 V		5000000
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  Coil  type of voltage of the control supply voltage  output  at AC at 50 Hz rated value  output  AC  contacts at contactor for auxiliary contacts  1  10A@600VAC (A600), 5A@600VDC (P600)  AC  control supply voltage  output  AC  550 V	Auxiliary contact	
number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  output  at AC at 50 Hz rated value  7  10A@600VAC (A600), 5A@600VDC (P600)  AC  AC  control supply voltage  550 V	number of NC contacts at contactor for auxiliary contacts	0
contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  o at AC at 50 Hz rated value  10A@600VAC (A600), 5A@600VDC (P600)  AC  AC	number of NO contacts at contactor for auxiliary contacts	1
to UL  Coil  type of voltage of the control supply voltage AC  control supply voltage  • at AC at 50 Hz rated value 550 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  550 V		10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage  • at AC at 50 Hz rated value 550 V	Coil	
• at AC at 50 Hz rated value 550 V	type of voltage of the control supply voltage	AC
	control supply voltage	
• at AC at 60 Hz rated value 575 600 V	<ul> <li>at AC at 50 Hz rated value</li> </ul>	550 V
	<ul> <li>at AC at 60 Hz rated value</li> </ul>	575 600 V

holding nower at AC minimum	14 W
holding power at AC minimum	14 W 310 VA
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC	26 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	26 41 ms
OFF-delay time	14 19 ms
Overload relay	
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 %
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)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
with multi-phase operation at AC rated value	300 V
Enclosure	
degree of protection NEMA rating	4X, 304 stainless steel
design of the housing	dustproof, waterproof & resistant to corrosion
design of the housing Circuit Breaker	dustproof, waterproof & resistant to corrosion
Circuit Breaker type of the motor protection	Motor circuit protector (magnetic trip only)
type of the motor protection operational current of motor circuit breaker rated value	
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit	Motor circuit protector (magnetic trip only)
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of	Motor circuit protector (magnetic trip only) 125 A
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit	Motor circuit protector (magnetic trip only) 125 A
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical  Surface mounting and installation
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Motor circuit protector (magnetic trip only) 125 A 500 1250 A  Vertical Surface mounting and installation Box lug
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	Motor circuit protector (magnetic trip only) 125 A 500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Motor circuit protector (magnetic trip only) 125 A 500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)
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type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at 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 at AWG cables for load-side outgoing feeder single or multi-	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in 1x (14 2/0 AWG)
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at 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 at 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in 1x (14 2/0 AWG)
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type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at 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 at 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in 1x (14 2/0 AWG)  75 °C  AL or CU Screw-type terminals 5 12 lbf·in
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at 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 at 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	Motor circuit protector (magnetic trip only) 125 A 500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in 1x (14 2/0 AWG)  75 °C  AL or CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at 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 at 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in 1x (14 2/0 AWG)  75 °C  AL or CU Screw-type terminals 5 12 lbf·in
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type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at 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 at 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 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	Motor circuit protector (magnetic trip only)  125 A  500 1250 A  Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)  75 °C  AL or CU Box lug 120 120 lbf·in 1x (14 2/0 AWG)  75 °C  AL or CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)

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 short-circuit trip	Instantaneous trip circuit breaker
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	100 kA
• at 480 V	100 kA
• at 600 V	25 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=US2:18HUG82WE

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:18HUG82WE">https://support.industry.siemens.com/cs/US/en/ps/US2:18HUG82WE</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:18HUG82WE&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:18HUG82WE&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:18HUG82WE/certificate

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