## **SIEMENS**

Data sheet US2:14HUG82BC



Non-reversing motor starter Size 3 Three phase full voltage Solid-state overload relay OLRelay amp range 25-100A 220-240/440-480VAC 60HZ coil Combination type Indoor general purpose use

Figure similar

design of the product space and product feature ESP200 overload relay; Dual voltage coil General technical data weight [ib] 32 lb Height x Width x Depth [in] 20 x 12 x 8 in (NA for enclosed products) (installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [FF] 4 utring storage 4 utring operation 4 utring storage 5 utring storage 5 utring operation 6 utring operation 7 utring operation 7 utring operation 9 utring of 0 utring operation 9 utring 0		
special product feature  Ceneral technical data  weight [Ib] Height X Width x Depth [in] 10uch protection against electrical shock (NA for enclosed products) installation allitude [ft] at height above sea level maximum ambient temperature [*F] • during storage • during operation ambient temperature • during storage • during storage • during operation  ambient temperature • during storage • during operation  22 +40 *F  4 +104 *F  30 +65 *C  4 +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 480/480 V rated value • 50 hp  Contactor  size of contactor  size of contactor  size of contactor in NEMA controller size 3  number of NC 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  spoke and specific operating cycles) of the main contacts 10 +40	<u>·</u>	Class 14
weight [16] 32 lb Height x Width x Depth [in] 20 x 12 x 8 in touch protection against electrical shock (NA for enclosed products) installation altitude [ii] at height above sea level maximum 6560 ft ambient temperature ['F] • during storage -22 +149 "F • during operation -4 +104 "F ambient temperature • during storage -30 +65 "C • during operation -20 +46 "C country of origin USA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 25 hp • at 400/480 V rated value 50 hp • at 450/480 V rated value 50 hp • at 450/480 V rated value 50 hp • at 65/5600 V rated value 50 hp • at 75/5600 V rated value 70 hp • at 75/5600 V rat		· ·
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Height X Width x Depth [in]  10 x 12 x 8 in  10 touch protection against electrical shock  10 x 10	General technical data	
touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature ["F] • during storage • during operation -4 +104 "F  ambient temperature • during storage • during operation -20 +65 "C • 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 480/480 V rated value • at 480/480 V rated value • at 575/600 V rated value • at 60 contactor  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 yipical  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 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 auxil	weight [lb]	32 lb
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during operation     during storage     during operation     during operation     during operation     during 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 575/600 V rated value     ontactor  size of contactor  size of contactor  number of NO contacts 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 hybical  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 1 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 7 contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage     at AC at 60 Hz rated value	ambient temperature [°F]	
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<ul> <li>• during storage</li> <li>• during operation</li> <li>• 20 +40 °C</li> <li>country of origin</li> <li>USA</li> <li>Horsepower ratings</li> <li>yelded mechanical performance [hp] for 3-phase AC motor</li> <li>• at 200/208 V rated value</li> <li>• at 220/230 V rated value</li> <li>• at 460/480 V rated value</li> <li>• at 460/480 V rated value</li> <li>• at 575/600 V rated value</li> <li>50 hp</li> <li>Contactor</li> <li>size of contactor</li> <li>NEMA controller size 3</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</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>90 A</li> <li>mechanical service life (operating cycles) of the main contacts typical</li> <li>Auxiliary contact</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of total auxillary contacts maximum</li> <li>7</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>tope of voltage of the control supply voltage</li> <li>at AC at 60 Hz rated value</li> <li>at AC at 60 Hz rated value</li> <li>220 480 V</li> <li>holding power at AC minimum</li> <li>14 W</li> </ul>	during operation	-4 +104 °F
<ul> <li>during operation</li> <li>-20 +40 °C</li> <li>country of origin</li> <li>USA</li> <li>Horsepower ratings</li> <li>yielded mechanical performance [hp] for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>50 hp</li> <li>at 460/480 V rated value</li> <li>50 hp</li> </ul> </li> <li>at 575/600 V rated value</li> <li>50 hp</li> <li>at 575/600 V rated value</li> <li>50 hp</li> </ul> <li>Contactor <ul> <li>size of contacts for main contacts</li> <li>3</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>90 A</li> <li>mechanical service life (operating cycles) of the main contacts typical</li> <li>Auxiliary contact</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>7</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>tope of voltage of the control supply voltage</li> <li>at AC at 60 Hz rated value</li> <li>220 480 V</li> <li>holding power at AC minimum</li> </ul></li>	ambient temperature	
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 • 50 hp  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  poperational 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 NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  rocontact rating of auxiliary contacts of contactor according to UL  Coll  type of voltage of the control supply voltage  • at AC at 60 Hz rated value  220 480 V  holding power at AC minimum	during storage	-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 260/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • bo hp  Contactor size of contacts for main contacts soperating 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 (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 total auxiliary contacts maximum rocontact rating of auxiliary contacts of contactor according to UL  Coll type of voltage of the control supply voltage • at AC at 60 Hz rated value  • at AC at 60 Hz rated value  220 480 V  holding power at AC minimum	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 220/230 V rated value • at 460/480 V rated value • at 55 hp • at 575/600 V rated value  Contactor  size of contactor  number of NO 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 90 A mechanical service life (operating cycles) of the main contacts typical  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 7 contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage • at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  14 W	country of origin	USA
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• at 575/600 V rated value 50 hp  Contactor  size of contactor NEMA controller size 3  number of NO 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 90 A  mechanical service life (operating cycles) of the main contacts typical  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 7  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  • at AC at 60 Hz rated value 220 480 V  holding power at AC minimum 14 W	• at 220/230 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 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 1 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 60 Hz rated value  holding power at AC minimum  NEMA controller size 3  NEMA controller size 3  1 00 00 00 00 00 00 00 00 00 00 00 00	• at 460/480 V rated value	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 (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 1 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 60 Hz rated value  holding power at AC minimum  NEMA controller size 3 3 600 V 6	● 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 (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  Coil  type of voltage of the control supply voltage  • at AC at 60 Hz rated value  holding power at AC minimum  1 600 V	Contactor	
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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 60 Hz rated value  holding power at AC minimum  90 A  5000000  5000000  10000000  1000000000	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  Coil  type of voltage of the control supply voltage  • at AC at 60 Hz rated value  holding power at AC minimum  5000000  1000000  1000000000000000000		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 60 Hz rated value  holding power at AC minimum  AC contacts at contactor for auxiliary contacts  1  10A@600VAC (A600), 5A@600VDC (P600)  AC  220 480 V  holding power at AC minimum  14 W	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  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  o at AC at 60 Hz rated value  holding power at AC minimum  onumber of NC contactor for auxiliary contacts  1  10A@600VAC (A600), 5A@600VDC (P600)  AC  control supply voltage  o at AC at 60 Hz rated value  14 W		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  type of voltage of the control supply voltage  o at AC at 60 Hz rated value  holding power at AC minimum  10A@600VAC (A600), 5A@600VDC (P600)  AC  220 480 V  holding power at AC minimum  14 W	Auxiliary contact	
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 control supply voltage  • at AC at 60 Hz rated value  holding power at AC minimum  7 10A@600VAC (A600), 5A@600VDC (P600)  AC 220 480 V  14 W	number of NC contacts at contactor for auxiliary contacts	0
contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  o at AC at 60 Hz rated value  holding power at AC minimum  10A@600VAC (A600), 5A@600VDC (P600)  AC  220 480 V  holding power at AC minimum	number of NO contacts at contactor for auxiliary contacts	1
type of voltage of the control supply voltage  control supply voltage  at AC at 60 Hz rated value  holding power at AC minimum  AC  AC  220 480 V	number of total auxiliary contacts maximum	7
type of voltage of the control supply voltage  control supply voltage  • at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  14 W	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage	Coil	
at AC at 60 Hz rated value     220 480 V  holding power at AC minimum     14 W	type of voltage of the control supply voltage	AC
holding power at AC minimum 14 W	control supply voltage	
	at AC at 60 Hz rated value	220 480 V
	holding power at AC minimum	14 W
	apparent pick-up power of magnet coil at AC	310 VA

apparent holding power of magnet soil at AC	26 VA
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of	0.85 1.1
magnet coil	
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	
product function	
<ul> <li>overload protection</li> </ul>	Yes
<ul> <li>phase failure detection</li> </ul>	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
tripping time at phase-loss 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)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
dograp of protection NEMA retire	
degree of protection NEMA rating	1
degree of protection NEMA rating design of the housing	1 Extra-wide
design of the housing	Extra-wide
design of the housing design of the housing	Extra-wide
design of the housing design of the housing Mounting/wiring	Extra-wide Indoor general purpose use
design of the housing design of the housing Mounting/wiring mounting position	Extra-wide Indoor general purpose use  Vertical
design of the housing design of the housing  Mounting/wiring mounting position fastening method	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation
design of the housing design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug
design of the housing  design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf·in
design of the housing  design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)
design of the housing  design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side at  AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box lug
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box lug 120 120 lbf-in
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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	Extra-wide Indoor general purpose use  Vertical  Surface mounting and installation  Box lug  120 120 lbf-in  1x(14 - 2/0 AWG)  75 °C  AL or CU  Box lug  120 120 lbf-in  1x(14 - 2/0 AWG)
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box rew-type terminals
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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 coil at	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Box lug 120 120 lbf-in 1x(14 - 2/0 AWG)  75 °C AL or CU Sorew-type terminals 5 12 lbf-in
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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 coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 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 2 x (16 - 12 AWG)
design of the housing  Mounting/wiring  mounting position fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side 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 coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	Extra-wide Indoor general purpose use  Vertical  Surface mounting and installation  Box lug  120 120 lbf-in  1x(14 - 2/0 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  2 x (16 - 12 AWG)  75 °C
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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 coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Extra-wide Indoor general purpose use  Vertical Surface mounting and installation Box lug 120 120 lbf-in 1x(14 - 2/0 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 2 x (16 - 12 AWG)  75 °C  CU
design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side 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 coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Extra-wide Indoor general purpose use  Vertical  Surface mounting and installation  Box lug  120 120 lbf-in  1x(14 - 2/0 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  2 x (16 - 12 AWG)  75 °C  CU  screw-type terminals

CU
screw-type terminals
7 10 lbf-in
2 x (20 - 14 AWG)
75 °C
CU
10kA@600V (Class H or K); 100kA@600V (Class R or J)
Thermal magnetic circuit breaker
14 kA
10 kA
10 kA
NEMA ICS 2; UL 508; CSA 22.2, No.14

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

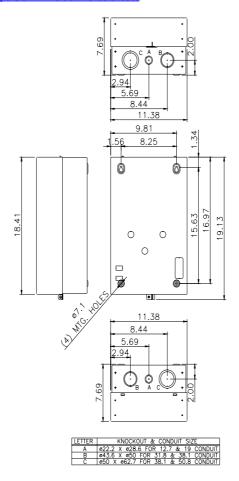
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14HUG82BC

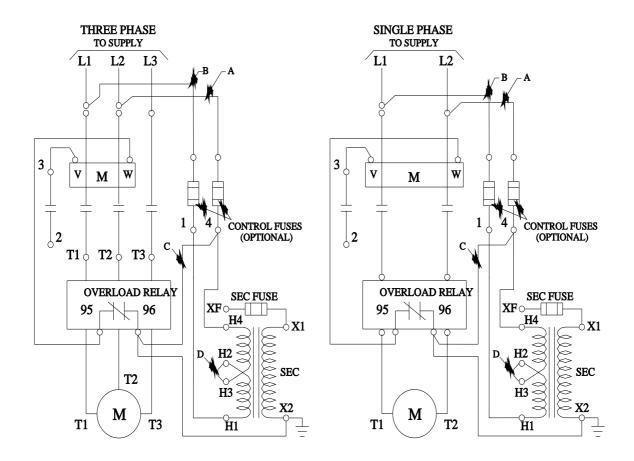
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG82B0

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=US2:14HUG82BC&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14HUG82BC&lang=en</a>

Certificates/approvals
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last modified: 11/29/2021 🖸