## **SIEMENS**

Data sheet US2:17HUG82BS



Non-reversing motor starter Size 3 Three phase full voltage Solid-state overload relay OLRelay amp range 25-100A 24Vdc coil Combination type 100A non-fusible disconnect Enclosure NEMA type 1 Indoor general purpose use Extra-wide enclosure

product brand name	Class 17 & 25
design of the product	Full-voltage non-reversing motor starter with non-fusible disconnect
special product feature	ESP200 overload relay
General technical data	
Height x Width x Depth [in]	36 × 24 × 8 in
touch protection against electrical shock	(NA for enclosed products)
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
<ul> <li>during operation</li> </ul>	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
<ul> <li>during operation</li> </ul>	-20 +40 °C
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	20 hp
• at 220/230 V rated value	25 hp
<ul> <li>at 460/480 V rated value</li> </ul>	50 hp
• at 575/600 V rated value	50 hp
Contactor	
size of contactor	NEMA controller size 3
number of NO contacts for main contacts	3
operational current at AC at 600 V rated value	90 A
mechanical service life (operating cycles) of the main contacts typical	5000000
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), 2.5A@300VDC (Q300)
Coil	
type of voltage of the control supply voltage	DC
control supply voltage	
at DC rated value	24 V
holding power at AC minimum	0 W
apparent pick-up power of magnet coil at AC	0 VA
apparent holding power of magnet coil at AC	0 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Overload relay	

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type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil stype of connectable conductor cross-sections of magnet coil of type of connectable conductor cross-sections of magnet coil of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts contacts  Screw-type terminals  To "C  Screw-type terminals  CU  Screw-type terminals  CU  Screw-type terminals	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply	vertical Surface mounting and installation Box lug 120 120 lbf·in
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts  120 120 lbf-in  CU  CU  CU  Type of connectable conductor at contactor for auxiliary contacts for C  To C	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts in auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of the conductor at contactor for auxiliary contacts  type of the conductor at contactor for auxiliary contacts  temperature of the conductor at contactor for auxiliary contacts  temperature of the conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary  contacts  1  Screw-type terminals  CU  Screw-type terminals	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU
temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts toppe of connectable conductor at magnet coil maximum permissible  material of the conductor at magnet coil type of electrical connection for auxiliary contacts toppe of connectable conductor of auxiliary contacts toppe of connectable conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts toppe of connectable conductor at contactor for auxiliary contacts  To connectable conductor at contactor for auxiliary contacts  CU type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals  CU  Screw-type terminals  CU  Screw-type terminals	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 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	vertical Surface mounting and installation Box lug 120 120 lbf·in 75 °C AL or CU Box lug 120 120 lbf·in
type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  temperature of the conductor at contactor for auxiliary contacts  temperature of the conductor at contactor for auxiliary contacts  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  cu  Screw-type terminals  Cu  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables	vertical Surface mounting and installation Box lug 120 120 lbf·in 75 °C AL or CU Box lug 120 120 lbf·in
tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary  CU  Screw-type terminals  CU  Screw-type terminals  CU  Screw-type terminals  CU  Screw-type terminals	Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	vertical Surface mounting and installation Box lug 120 120 lbf·in 75 °C AL or CU Box lug 120 120 lbf·in 1
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary  Screw-type terminals  CU  Screw-type terminals  CU  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C
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  screw-type terminals  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals  CU  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU
permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  screw-type terminals  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  contacts  CU  Screw-type terminals  CU  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in
type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals  CU  type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2
tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 75 °C CU
AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 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  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals 10 15 lbf-in
material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  CU  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals 10 15 lbf-in 1
type of electrical connection at overload relay for auxiliary contacts  Screw-type terminals	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals 10 15 lbf-in 1
tightening torque [lbf·in] at overload relay for auxiliary contacts 7 10 lbf·in	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals 10 15 lbf-in 1
	mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible	vertical Surface mounting and installation Box lug 120 120 lbf-in 75 °C AL or CU Box lug 120 120 lbf-in 1 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals 10 15 lbf-in 1

type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded	2
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10
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=US2:17HUG82BS

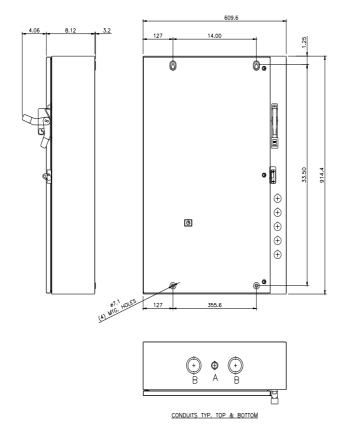
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82BS

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

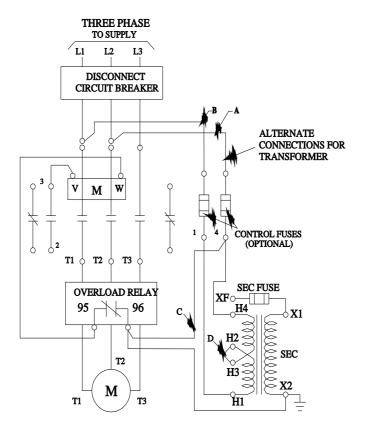
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Certificates/approvals

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A Ø12.7 & Ø19 CONDUIT
B Ø31.8 & Ø38.1 CONDUIT



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