## **SIEMENS**

Data sheet US2:14GP120F81



Non-reversing motor starter, Size 2 1/2, Single phase, 2-pole, Amb compensate bimetal OLrelay Contactor amp rating 60Amp 110V 50HZ / 120V 60HZ coil, Non-combination type, Enclosure type 12, Dust/drip proof for indoors

Figure similar

design of the product   Special product   Special product   Sealure   Half-size starter	product brand name	Class 14 & 22
Weight [Ib] Height x Width x Depth [in] Height x Width x Depth [in] If 6 x 8 x 6 in  16 x 8 x 6 in  17 x 16 x 8 x 6 in  18 x 16 x 8 x 6 in  19 x 16 x 8 x 6 in  10 x 16 x 16 x 10  10 x 10 x 10 x 10  10 x 10 x 10 x	design of the product	Full-voltage non-reversing motor starter
weight [lb] 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 ambient temperature • during operation - during storage • during operation - 20 +104 °F - 40 +104 °F - 40 +104 °F - 40 +104 °C - 20 +40 °C - 2	special product feature	Half-size starter
Height XWidth x Depth [in]  touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation ambient temperature • during storage • during operation - 22 +149 °F  • during operation - 20 +65 °C • during operation - 20 +40 °C  country of origin  Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 220/230 V rated value • at 240 V contactor number of NO contacts for main contacts 2 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 total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil	General technical data	
touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature • during operation -22 +149 °F • during storage • during operation -20 +40 °C  country of origin  Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 200/208 V rated value • at 115 V rated value • at 115 V rated value • at 100 hp • at 200/208 V rated value • at 200/208 V rated value • at 100 hp • at 200/208 V rated value • at 115 V rated value	weight [lb]	13 lb
installation altitude [ft] at height above sea level maximum ambient temperature [*F]  • during storage • during operation ambient temperature • during operation ambient temperature • during operation -20 +40 °F -20 +40 °C -40 °C -4	Height x Width x Depth [in]	16 × 8 × 6 in
ambient temperature [°F]  • during storage  • during operation  ambient temperature  • during storage  • during storage  • during operation  -20 +40 °C  country of origin  Horsepower ratings  yielded mechanical performance [hp] for single-phase AC motor  • at 115 V rated value  • at 200/208 V rated value  • at 220/230 V rated value  • at 220/230 V rated value  • at 220/230 V rated value  • at 200/230 V rated value  • at 200/208 V rated value	touch protection against electrical shock	NA for enclosed products
<ul> <li>during storage</li> <li>during operation</li> <li>during operation</li> <li>during storage</li> <li>during operation</li> <li>during operation</li> <li>20 +65 °C</li> <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 single-phase AC motor</li> <li>at 115 V rated value</li> <li>at 200/208 V rated value</li> <li>10 hp</li> <li>at 220/230 V rated value</li> <li>10 hp</li> <li>contactor</li> <li>size of contactor</li> <li>contacts 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>and to an expectation of the main contacts typical</li> <li>Auxiliary contact</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>coil</li> </ul>	installation altitude [ft] at height above sea level maximum	6560 ft
during operation     ambient temperature     during storage     during operation     country of origin      Wosepower ratings  yielded mechanical performance [hp] for single-phase AC motor     at 115 V rated value     at 200/208 V rated value     at 220/230 V rated value     at 220/230 V rated value     operating voltage 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 NO contacts at contactor for auxiliary contacts number of NO contacts at contacto	ambient temperature [°F]	
ambient temperature	during storage	-22 +149 °F
during storage     during operation     country of origin  Horsepower ratings  yielded mechanical performance [hp] for single-phase AC motor     at 115 V rated value     at 200/208 V rated value     at 220/230 V rated value     at 220/230 V rated value     inumber 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     an echanical 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 NC contacts at contactor for auxiliary contacts number of NO con	during operation	-4 +104 °F
during operation     country of origin  Horsepower ratings  yielded mechanical performance [hp] for single-phase AC motor      at 115 V rated value     at 200/208 V rated value     at 220/230 V rated value     in the proof NO contacts for main contacts  size of contactor  size of contactor  size of 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 (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	ambient temperature	
country of origin  Horsepower ratings  yielded mechanical performance [hp] for single-phase AC motor  • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value 10 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 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	<ul> <li>during storage</li> </ul>	-30 +65 °C
yielded mechanical performance [hp] for single-phase AC motor  • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value  • at 220/230 V rated value  10 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	during operation	-20 +40 °C
yielded mechanical performance [hp] for single-phase AC motor  • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value 10 hp  Contactor  size of contactor number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value 60 A mechanical service life (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 7 contact rating of auxiliary contacts of contactor according to UL  Coil	country of origin	USA
motor  • at 115 V rated value  • at 200/208 V rated value  • at 220/230 V rated value  10 hp  • at 220/230 V rated value  10 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  Auxillary 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	Horsepower ratings	
at 200/208 V rated value  at 220/230 V rated value  10 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 total auxiliary contacts maximum  7  contact rating of auxiliary contacts of contactor according to UL  Coil		
at 220/230 V rated value  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 (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	<ul> <li>at 115 V rated value</li> </ul>	5 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	<ul><li>at 200/208 V rated value</li></ul>	10 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  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	<ul><li>at 220/230 V rated value</li></ul>	10 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  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	Contactor	
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  240 V  240 V  240 V  100000000  100000000  100000000  1000000	size of contactor	Controller half size 2 1/2
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  60 A 10000000 100000000 10000000000000000	number of NO contacts for main contacts	2
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		240 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	operational current at AC at 600 V rated value	60 A
number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts 1 number of total auxiliary contacts maximum 7 contact rating of auxiliary contacts of contactor according to UL  Coil		10000000
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	Auxiliary contact	
number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  7  10A@600VAC (A600), 5A@600VDC (P600)	number of NC contacts at contactor for auxiliary contacts	0
contact rating of auxiliary contacts of contactor according to UL  10A@600VAC (A600), 5A@600VDC (P600)  Coil	number of NO contacts at contactor for auxiliary contacts	1
to UL Coil	number of total auxiliary contacts maximum	7
		10A@600VAC (A600), 5A@600VDC (P600)
type of voltage of the control supply voltage AC	Coil	
	type of voltage of the control supply voltage	AC

control supply voltage	
<ul> <li>at AC at 50 Hz rated value</li> </ul>	110 V
<ul> <li>at AC at 60 Hz rated value</li> </ul>	120 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 V·A
apparent holding power of magnet coil at AC	25 V·A
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 %
switch ON delay time	19 29 ms
OFF delay time	10 24 ms
Overload relay	
product function	
overload protection	Yes
• test function	Yes
external reset	Yes
reset function	Manual and automatic
adjustment range of thermal overload trip unit	0.85 1.15
number of NC contacts of auxiliary contacts of overload	1
relay	
number of NO contacts of auxiliary contacts of overload relay	0
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	5 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 5A@250VDC (P300)
Enclosure	
degree of protection NEMA rating	12
design of the housing	Dust tight and drip proof for indoors
Mounting/wiring	
	Vertical
Mounting/wiring	Vertical Surface mounting and installation
Mounting/wiring mounting position	
Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Surface mounting and installation
Mounting/wiring mounting position fastening method	Surface mounting and installation Box lug
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	Surface mounting and installation  Box lug  45 45 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	Surface mounting and installation  Box lug  45 45 lbf·in  75 °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 material of the conductor for supply	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU
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	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or 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	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 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 electrical connection of magnet coil	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  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 electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 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 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	Surface mounting and installation Box lug 45 45 lbf·in 75 °C  AL or CU Screw-type terminals 35 50 lbf·in Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)
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 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	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)
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 electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU
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 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	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals
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 electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf·in
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 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 type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded temperature of the conductor at contactor for auxiliary	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf·in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
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 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 type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf·in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
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 electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at 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 type of electrical connection at overload relay for auxiliary	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf·in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU
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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at 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 type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf·in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU  Screw-type terminals

	-
relay at AWG cables for auxiliary contacts single or multi- stranded	
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14GP120F81

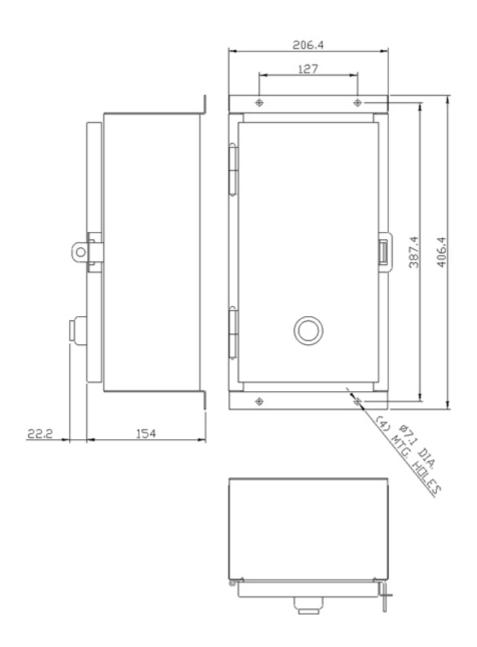
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:14GP120F81">https://support.industry.siemens.com/cs/US/en/ps/US2:14GP120F81</a>

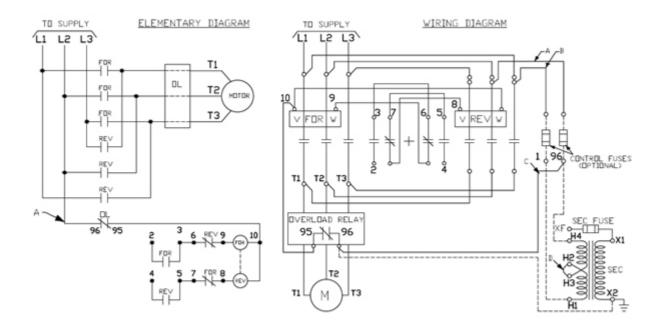
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14GP120F81&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14GP120F81/certificate





last modified: 3/10/2020 🖸