SIEMENS

Data sheet US2:14EP12FG81



Non-reversing motor starter, Size 1 3/4, Single Phase, 2-Pole, Amb. compensate bimetal OLR, Contactor amp rating 40A, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive

Figure similar

design of the product Special product feature General technical data weight [b] Height x Width x Depth [in] Louch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [FT] • during storage • during operation — during storage • during operation — of uning storage • during operation — of uning storage • during operation — so during operation — of uning storage • at 1200208 V rated value • at 200208 V rated value • at 200208 V rated value • at 200208 V rated value • at 200208 V rated value • ontactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical 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 conta	product brand name	Class 14 & 22
weight [b] 14 lb Height x Width x Depth [n] 15 x 12 x 7 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 • during operation - 4 +104 "F ambient temperature • during storage - 30 +65 "C • during operation USA during operation USA **Vision or strips** yielded mechanical performance [tp] for single-phase AC motor • at 115 V rated value 3 hp • at 220/230 V rated value 5 hp • at 220/230 V rated value 5 hp • at 220/230 V rated value 5 hp contactor size of contactor Controller half size 1 3/4 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 35 A mechanical service life (operating cycles) of the main contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts 2 contacts 3 number of NC contacts 3 number of NC contacts 4 number of NC contacts 4 number of NC contacts 4 number of NC con	design of the product	Full-voltage non-reversing motor starter
weight [ib] Height x Width x Depth [in] 15 x 12 x 7 in 15 x 12 x 7 in 15 x 12 x 7 in 16 x 12 x 7 in 17 x 12 x 7 in 18 x 12 x 12 x 14 x 14 x 18 x 12 x 12 x 14 x 18 x 12 x 12 x 14 x 18 x 12 x 12 x 12 x 18 x 12 x 1	special product feature	Half-size starter
Height x Width x Depth [n] touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during storage • during operation ambient temperature • during storage • during operation ambient temperature • during storage • during operation - 4+104 °F • during operation country of origin USA Horsopower 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 • for tolator main contacts coperating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value sensor NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts n	General technical data	
touch protection against electrical shock installation altitude [II] at height above sea level maximum ambient temperature [*F] • during storage • during operation - 4+104 *F ambient temperature • during storage • during operation - 20+40 *C country of origin Horspower ratings yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 200/208 V rated value • 15 hp Contactor size of contactor Controller half size 1 3/4 number of NO contacts for main contacts	weight [lb]	14 lb
installation altitude [ft] at height above sea level maximum ambient temperature [FT] • during storage • during operation • during storage • during operation • during operation • during operation • during operation • 20 +65 °C • during operation • 220 +40 °C country of origin USA Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor • at 1115 V rated value • at 200/208 V rated value • 3 hp • at 200/208 V rated value • 5 hp • at 200/208 V rated value • 5 hp • 240 V size of contactor number of NC 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 35 A mechanical service life (operating cycles) of the main contacts typical number of NC contacts at contactor for auxiliary contacts number of NC con	Height x Width x Depth [in]	15 × 12 × 7 in
ambient temperature ["F] • during storage • during operation ambient temperature • during storage • during operation ambient temperature • during storage • during operation • during operation • 20 +65 °C • during operation USA ### Contactor • at 115 V rated value • at 2200/230 V rated value • at 200/200 V rated value • at 200/200 V rated value **Step of contactor size of contactor size of contactor size of contactor size of contactor Controller half size 1 3/4 number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical **Auxillary contact** number of NO contacts at contactor for auxilliary contacts number of NO contacts at contactor for auxilliary contacts number of NO contacts at contactor for auxilliary contacts 1 number of total auxilliary contacts maximum 8 contact rating of auxilliary contacts of contactor according to UL **Coil** **Use of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value • at AC at 60 Hz rated value	touch protection against electrical shock	NA for enclosed products
 during storage during operation during storage during storage during operation during operation 20 +40 °C during operation 20 +40 °C country of origin USA Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor at 1115 V rated value at 200/208 V rated value 5 hp at 220/230 V rated value 5 hp at 220/230 V rated value 5 hp 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 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 60 Hz rated value at AC at 60 Hz rated	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation ambient temperature • during storage • during operation -20 +65 °C -20 +40 °C country of origin USA 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 200/208 V rated value • a	ambient temperature [°F]	
ambient temperature • during storage • during operation 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 200/230 V rated value • bhp Contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 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 • at AC minimum 8.6 W	 during storage 	-22 +149 °F
 during storage during operation 20 +65 °C during operation USA USA Welded mechanical performance [hp] for single-phase AC motor at 115 V rated value at 200/208 V rated value 5 hp at 200/208 V rated value 5 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 at 240 V 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 total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 50 Hz rated value at AC at 50 Hz rated value at AC at 60 Hz rated value 	during operation	-4 +104 °F
during operation country of origin USA 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 5 hp contactor size of contactor size of contacts for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value special service life (operating cycles) of the main contacts typical Auxiliary contacts at contacts for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts for of total auxiliary contacts of the control supply voltage contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 190 220 V at AC at 60 Hz rated value 220 240 V holding power at AC minimum 8.6 W	ambient temperature	
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 220/230 V rated value • at 220/230 V rated value • by at 220/230 V rated value • at 220/230 V rated value Size of contactor size of contactor contacts for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value holding power at AC minimum 8.6 W	 during storage 	-30 +65 °C
Vielded 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 5 hp 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 maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value holding power at AC minimum 8 6 8 6 8 8 8 8 8 8 8 8 8	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 5 hp Contactor size of contactor size of 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 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value holding power at AC minimum 8 the single-phase AC motor Controller half size 1 3/4 240 V 35 A 10000000 100000000 240 V 240 V 35 A 100000000 100000000 240 V 240 V 36000000 240 V 37 A 240 V 38 A 240 V 240 V 250 220 V 260 220 V 260 240 V 260 240 V 260 240 V 260 240 V	country of origin	USA
at 115 V rated value at 200/208 V rated value by the control size of contactor size of contactor size of contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value at 240 V maximum operational 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 contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value at AC at 60 Hz rated value bolding power at AC minimum 3 hp 5 hp 5 hp 6 hp 6 controller half size 1 3/4 2 uv 240 V 35 A 10000000 10000000 100000000 1000000	Horsepower ratings	
at 200/208 V rated value by the contactor size of contactor size of contactor controller half size 1 3/4 number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value at AC at 60 Hz rated value both size 1 3/4 control supply voltage at AC at 60 Hz rated value 240 V 55 A 10000000 10000000 100000000 1000000	yielded mechanical performance [hp] for single-phase AC motor	
• at 220/230 V rated value 5 hp Contactor size of contactor Controller half size 1 3/4 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 35 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 8 contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage AC control supply voltage • at AC at 50 Hz rated value 190 220 V • at AC at 60 Hz rated value 220 240 V holding power at AC minimum 8.6	• at 115 V rated value	3 hp
size of contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum secontact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value holding power at AC minimum 8.6 W	at 200/208 V rated value	5 hp
size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 50 Hz rated value at AC at 60 Hz rated value at AC minimum operational value at AC at 60 Hz rated value at AC minimum operational value at AC at 60 Hz rated value at AC minimum at AC at 60 Hz rated value at AC minimum operating voltage at AC value at AC at 60 Hz rated value at AC minimum operation value at AC at 60 Hz rated value at AC minimum at AC at 60 Hz rated value at AC minimum operating voltage at AC value at AC at 60 Hz rated value	at 220/230 V rated value	5 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 (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 scontact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value at AC at 60 Hz rated value below the control supply voltage at AC at 60 Hz rated value	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 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 scontact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value • at AC minimum 8.6 W	size of contactor	Controller half size 1 3/4
maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value below 190 220 V at AC minimum at AC at 60 Hz rated value below 10000000 10000000 100000000 100000000	number of NO contacts for main contacts	2
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 50 Hz rated value • at AC at 60 Hz rated value 10000000 10000000 1000000000000000		240 V
Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 50 Hz rated value at AC at 60 Hz rated value holding power at AC minimum AC O D	operational current at AC at 600 V rated value	35 A
number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 50 Hz rated value at AC at 60 Hz rated value holding power at AC minimum o number of NC contacts at contactor for auxiliary contacts 1 1 10A@600VAC (A600), 5A@600VDC (P600) AC control supply voltage 190 220 V 220 240 V holding power at AC minimum 8.6 W	· · · · · · · · · · · · · · · · · · ·	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 type of voltage of the control supply voltage o at AC at 50 Hz rated value at AC at 60 Hz rated value holding power at AC minimum 8 10A@600VAC (A600), 5A@600VDC (P600) AC 10A@600VAC (A600), 5A@600VDC (P600)	Auxiliary contact	
number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage output at AC at 50 Hz rated value at AC at 60 Hz rated value holding power at AC minimum 8 10A@600VAC (A600), 5A@600VDC (P600) AC 10A@600VAC (A600), 5A@600VDC (P600) 10A@600VAC (A600), 5A@600VDC (P600) 10A@600VAC (A600), 5A@600VDC (P600) 10A@600VAC (A600), 5A@600VDC (P600) 20 220 V 8 at AC at 50 Hz rated value 8 at AC at 60 Hz rated value	number of NC contacts at contactor for auxiliary contacts	0
contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value holding power at AC minimum 10A@600VAC (A600), 5A@600VDC (P600) AC 20 220 V 220 240 V	number of NO contacts at contactor for auxiliary contacts	1
type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 220 240 V holding power at AC minimum 8.6 W	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage output at AC at 50 Hz rated value at AC at 60 Hz rated value at AC at 60 Hz rated value bolding power at AC minimum AC AC 190 220 V 220 240 V 8.6 W	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 220 240 V holding power at AC minimum 8.6 W	Coil	
 at AC at 50 Hz rated value at AC at 60 Hz rated value bolding power at AC minimum 190 220 V 220 240 V 8.6 W 	type of voltage of the control supply voltage	AC
● at AC at 60 Hz rated value 220 240 V holding power at AC minimum 8.6 W	control supply voltage	
holding power at AC minimum 8.6 W	 at AC at 50 Hz rated value 	190 220 V
apparent pick-up power of magnet coil at AC 218 VA	at AC at 60 Hz rated value	220 240 V
Special plant up parties or magnet will delive		

apparent holding power of magnet coil at AC	25 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
overload protection	Yes
• 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 relay	1
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	5A@600VAC (B600), 5A@250VDC (P300)
UL Enclosure	
	4X, fiber glass
degree of protection NEMA rating design of the housing	dustproof, waterproof & resistant to corrosion
Mounting/wiring	dustproof, waterproof a resistant to corrosion
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf-in] for supply	45 45 lbf·in
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	AL or CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf-in] for load-side outgoing feeder	35 50 lbf·in
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (16 12 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf-in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts	75 °C
maximum permissible	75 0
	CU
maximum permissible	
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary	CU
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts	CU Screw-type terminals
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay	CU Screw-type terminals 5 12 lbf-in
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary	CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible	CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG) 75 °C
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts	CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG) 75 °C
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts Short-circuit current rating design of the fuse link for short-circuit protection of the main	CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C CU
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required	CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C CU 10kA@600V (Class H or K); 100kA@600V (Class R or J)
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip	CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C CU 10kA@600V (Class H or K); 100kA@600V (Class R or J)
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu)	CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C CU 10kA@600V (Class H or K); 100kA@600V (Class R or J) Thermal magnetic circuit breaker
maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts Short-circuit current rating design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V	CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG) 75 °C CU 10kA@600V (Class H or K); 100kA@600V (Class R or J) Thermal magnetic circuit breaker 14 kA

Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

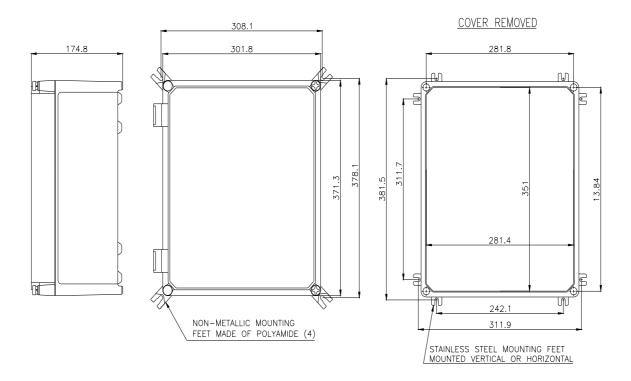
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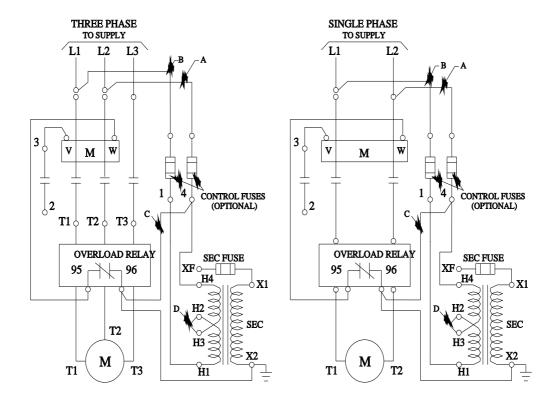
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14EP12FG81

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14EP12FG81&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14EP12FG81/certificate





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