## SIEMENS

## Data sheet

## US2:14GUG32FD



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solidstate overload relay, OLR amp range 25-100A, 208VAC 60Hz coil, Noncombination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

product brand name         Class 14           design of the product feature         Full-voltage non-reversing motor starter           special product feature         ESP200 overload relay; Half-size starter           General tochnical data         ESP200 overload relay; Half-size starter           General tochnical data         ESP200 overload relay; Half-size starter           General tochnical data         Installation altitude [II] at height above sea level maximum           ambient temperature [F]         -22 +149 "F           • during operation         -4 +104 "F           ambient temperature         -30 +65 °C           • during operation         -20 +40 °C           country of origin         USA           Horsepower ratings         -20 +40 °C           vielded mechanical performance [hp] for 3-phase AC motor         -20 +40 °C           • at 200/208 V rated value         15 hp           • at 200/208 V rated value         20 hp           • at 40/404 V rated value         30 hp           Contactor         size of contactor           size of contactor         Controller half size 2 1/2           number of NO contacts for main contacts         3           operating voltage for main current circuit at AC at 60 Hz maximum         1000000           operating voltage for main cu	1 igu e sinnai	
special product feature         ESP200 overload relay; Half-size starter           General technical data	product brand name	Class 14
General technical data       15 lb         Height [b]       15 lb         Height X Width x Depth [n]       15 × 12 × 7 in         touch protection against electrical shock       (NA for enclosed products)         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature [rF]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 "C         • during operation       -20 +40 "C         county of origin       USA         Horspower ratings       -20 +40 "C         yielded mechanical performance [hp] for 3-phase AC       -20 +40 "C         motor       -at 200/208 V rated value       20 hp         • at 220/230 V rated value       30 hp         • at 320/208 V rated value       30 hp         • at 460/480 V rated value       30 hp         contactor       Controller half size 2 1/2         number of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       60 A         mechanical service life (switching cycles) of the main contacts (pical       10000000         contacts typical       0         number of NC contacts at contactor for auxillary contacts       1	design of the product	Full-voltage non-reversing motor starter
weight [tb]       15 lb         Height x Widh x Depth [in]       15 × 12 × 7 in         touch protection against electrical shock       (NA for enclosed products)         installation altitude [t] at height above sea level maximum       6560 ft         ambient temperature ["F]       - 22 +149 "F         • during storage       - 30 +65 °C         • during operation       - 20 +40 °C         country of origin       USA         Hosepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       15 hp         • at 200/208 V rated value       20 hp         • at 355/600 V rated value       30 hp         • at 575/600 V rated value       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         maximum       600 A         operating voltage for main current at AC at 60 Hz       60 A         mumber of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for	special product feature	ESP200 overload relay; Half-size starter
Height X Width X Depth [in]       15 × 12 × 7 in         touch protection against electrical shock       (NA for enclosed products)         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature [°F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         county of origin       USA         Horsopower ratings       -20 +40 °C         yielded mechanical performance [hp] for 3-phase AC       -20 hp         of at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         Contactor       size of contactor         size of contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       60 A         maximum       1000000         outsillary contact       1         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         numb	General technical data	
touch protection against electrical shock       (NA for enclosed products)         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsopower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 220/208 V rated value       15 hp         • at 220/200 V rated value       20 hp         • at 220/200 V rated value       30 hp         • at 480/480 V rated value       30 hp         • at 575/600 V rated value       30 hp         • contractor       Goontacts         size of contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       10000000         maximum       600 V         outractat       10000000         Auxiliary contact       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for aux	weight [lb]	15 lb
installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature ['F]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 "C         • during operation       -20 +40 "C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 220/230 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 457/600 V rated value       30 hp         • at 457/600 V rated value       30 hp         • at 457/600 V rated value       30 hp         • at 55/600 V rated value       100 V         maximum       660 V         operating values for main contacts       3         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0       10000000	Height x Width x Depth [in]	15 × 12 × 7 in
ambient temperature [°F]       -22 +149 °F         • during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -4 +104 °F         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         wotor       • at 200/208 V rated value         • at 200/208 V rated value       20 hp         • at 460/480 V rated value       30 hp         Contactor       Size of contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         number of NC contacts at contactor for auxiliary contacts       0         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 NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to U.       10A@60	touch protection against electrical shock	(NA for enclosed products)
• during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       15 hp         • at 200/208 V rated value       20 hp         • at 480/480 V rated value       30 hp         Contactor       So for a star and a star	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 55/600 V rated value       30 hp         • at 55/7600 V rated value       30 hp         • at 55/600 V rated value       30 hp         Contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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 of contactor according<	ambient temperature [°F]	
ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       • at 200/208 V rated value         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 455/600 V rated value       30 hp         • at 455/600 V rated value       30 hp         • at 575/600 V rated value       30 hp         Contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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 NO contacts at contactor for auxiliary contacts       1 <td><ul> <li>during storage</li> </ul></td> <td>-22 +149 °F</td>	<ul> <li>during storage</li> </ul>	-22 +149 °F
• during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 4575/600 V rated value       30 hp         • at 4575/600 V rated value       30 hp         Contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       60 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO 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 NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       <	<ul> <li>during operation</li> </ul>	-4 +104 °F
• during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 4575/600 V rated value       30 hp         contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       60 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts       10000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1	ambient temperature	
country of origin       USA         Horsepower ratings	<ul> <li>during storage</li> </ul>	-30 +65 °C
Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 4575/600 V rated value       30 hp         Contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       0         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 of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         cotal       type of voltage of the control supply voltage       AC	<ul> <li>during operation</li> </ul>	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor       15 hp         • at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 575/600 V rated value       30 hp         • at 575/600 V rated value       30 hp         contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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 total auxiliary contacts maximum       7         contact rating of auxiliary contacts of contactor according       10A@600VAC (A600), 5A@600VDC (P600)         coil       type of voltage of the control supply voltage       AC	country of origin	USA
motor       • at 200/208 V rated value       15 hp         • at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 460/480 V rated value       30 hp         • at 575/600 V rated value       30 hp         Contactor       Size of contactor for main contacts         size of contactor main contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       0         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 total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil	Horsepower ratings	
• at 220/230 V rated value       20 hp         • at 460/480 V rated value       30 hp         • at 575/600 V rated value       30 hp         Contactor       Size of contactor         size of contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       Appending of the control supply voltage		
• at 460/480 V rated value       30 hp         • at 575/600 V rated value       30 hp <b>Contactor</b> Size of contacts for main contacts         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         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 of contactor according to UL       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         coil       type of voltage of the control supply voltage       AC	<ul> <li>at 200/208 V rated value</li> </ul>	15 hp
• at 575/600 V rated value       30 hp         Contactor       size of contactor         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       60 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         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 of contactor according to UL       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         coil       to UL       AC	• at 220/230 V rated value	20 hp
Contactor         size of contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         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 of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       AC	• at 460/480 V rated value	30 hp
size of contactor       Controller half size 2 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       60 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         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       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       AC	<ul> <li>at 575/600 V rated value</li> </ul>	30 hp
number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       60 A         operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4C	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum600 Voperational current at AC at 600 V rated value60 Amechanical service life (switching cycles) of the main contacts typical10000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts0number of NO contacts at contactor for auxiliary contacts1number of total auxiliary contacts maximum7contact rating of auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)CoilKype of voltage of the control supply voltageAC	size of contactor	Controller half size 2 1/2
maximum       operational current at AC at 600 V rated value       60 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         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       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       Kype of voltage of the control supply voltage       AC	number of NO contacts for main contacts	3
mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1000000         number of NC contacts at contactor for auxiliary contacts       0         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       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage       AC		600 V
contacts typical     Auxiliary contact       number of NC contacts at contactor for auxiliary contacts     0       number of NO contacts at contactor for auxiliary contacts     1       number of total auxiliary contacts maximum     7       contact rating of auxiliary contacts of contactor according to UL     10A@600VAC (A600), 5A@600VDC (P600)       Coil     4C	operational current at AC at 600 V rated value	60 A
number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC		1000000
number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC	Auxiliary contact	-
number of total auxiliary contacts maximum       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage         AC	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       type of voltage of the control supply voltage       AC	number of NO contacts at contactor for auxiliary contacts	1
to UL Coil type of voltage of the control supply voltage AC	number of total auxiliary contacts maximum	7
type of voltage of the control supply voltage AC		10A@600VAC (A600), 5A@600VDC (P600)
	Coil	
control supply voltage	type of voltage of the control supply voltage	AC
	control supply voltage	

• at AC at 60 Hz rated value	208 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
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
phase failure detection	Yes
	Yes
asymmetry detection	
ground fault detection	Yes
• test function	Yes
• external reset	Yes
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	25 100 A
tripping time at phase-loss maximum	3 s
relative repeat accuracy	1 %
product feature protective coating on printed-circuit board	Yes
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
degree of protection NEMA rating	4X, fiber glass
design of the housing	Dust-tight, watertight & corrosion resistant
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Box lug 45 45 lbf·in
tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	1x(14 - 2 AWG)
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	Box lug
tightening torque [lbf·in] for load-side outgoing feeder	45 45 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	1x(14 - 2 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	AL or CU
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	2 x (16 - 12 AWG)
temperature of the conductor at magnet coil maximum	75 °C

permissible		
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	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C	
material of the conductor at contactor for auxiliary contacts	CU	
type of electrical connection at overload relay for auxiliary contacts	screw-type terminals	
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in	
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi- stranded	2 x (20 - 14 AWG)	
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C	
material of the conductor at overload relay for auxiliary contacts	CU	
Short-circuit current rating		
design of the 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=US2:14GUG32FD		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32FD		
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlf	s, 3D models, device circuit diagrams, EPLAN macros,) <u>b=US2:14GUG32FD⟨=en</u>	
Certificates/approvals		

https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32FD/certificate

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