## SIEMENS

## Data sheet

## US2:17GUG92NF14



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solidstate overload relay, OLR amp range 25-100A, 110V 50Hz / 120V 60Hz coil, Combination type, 100A fusible disconnect, 100A/250V fuse clip, Enclosure NEMA type 4/12, Water/dust tight for outdoors, Standard width enclosure

Figures	similar
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product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay; Half-size controller
General technical data	
weight [lb]	49 lb
Height x Width x Depth [in]	24 × 20 × 8 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-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	0 hp
<ul> <li>at 575/600 V rated value</li> </ul>	0 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 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	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	7
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	

India gover at AC minimum         8.8 W           apparent plok-up power of magnet coil at AC         248 VA           apparent holding power of magnet coil at AC         25 VA           operating range factor control supply voltage raded value         6.8 1.1           Other on the product function         50 %           Churchest prime         19 20 ms           OFF-delay time         19 20 ms           OVerload raisy         10 24 ms           Overload protection         Yes           • asymmetry detection         Yes           • ast function         Yes           • aster and reset         Yes           • aster function         Manual. automatic and remote           Ittip class         manute automatic and remote           • aster function         Yes           • aster function	at AC at 50 Hz rated value	110 V
apparent pick-up power of magnet coll at AC         248 VA           apparent holding power of magnet coll at AC         25 VA           operating range factor control supply voltage rated value         0.85 1.1           off-endaty time         19 28 ms           OFF-delay time         10 24 ms           Overload rated         Yes           • apparent holding or protection         Yes           • apparent pick-up control supply voltage rated value         10 24 ms           Overload rated         Yes           • apparent pick-up control supply voltage rated value         10 24 ms           Overload rated         Yes           • apparent pick-up control supply voltage rated value         Yes           • apparent pick-up control supply voltage rated value         Yes           • apparent pick-up control supply voltage rated value         Yes           • apparent pick-up control supply voltage rated value         Yes           • apparent pick-up control supply voltage rated value         Yes           • apparent pick-up control supply voltage rated value         Yes           • apparent pick-up control supply voltage rated value         Se           reset function         Yes           reset function         Yes           reset function         Yes		
appending increase of magnet coll al. AC         25 VA           operating increase factor control supply voltage rated value of magnet coll         0.85 1.1           operating increase factor control supply voltage rated value of magnet coll         0.85 1.1           OVErfold flop.out voltage of magnet coll related to the input voltage.         19 28 ms           OVErfold relay         10 24 ms           Overfold protection         Yes           • asymmetry detection         Yes           • agound fault detection         Yes           • agound fault detection         Yes           • addit detection         Yes           • additable current response value current of the current- dependent overaid relaws         25 100 A           tripping time at phase-loss maximum         3 s           relative repeat accuracy         1%           product fieldive repeat accuracy         1%           orthor of too contacts of auxiliary contacts of overload         1           relative repeat accuracy         5 Å           orthor of too dux and prophyte orderedarelay		
operating range factor control supply voltage rated value of magnet coll         0.85 - 1.1           percential drop-out voltage of magnet coll related to the input voltage.         60 %           CM-delay time         19 23 ms           OPEr-delay time         10 24 ms           Overload rolay         785           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • external reset         Yes           • external reset         Yes           • external reset         Yes           • reset function         Yes           • tots throation         Yes           • reset function         25 100 A           dipping time at phase-loss maximum         3 s           • flapping time at phase-loss maximum         3 s           • reset work route contacts of auxiliary contacts of overload         1           relative repeat accuracy         1%           product teature protective coating on printed-circuit board         1           runter of NO contacts of auxiliary contacts of overload relay         5 A           • at C at 260 V         1 A <tr< td=""><td></td><td></td></tr<>		
of magnet call     50 %       input voltage     50 %       ON-delay time     19 28 ms       OF-delay time     10 24 ms       Overload protection     Yes       • overload protection     Yes       • aymmetry detection     Yes       • attrantine     Yes       • attrantine     Yes       • external read     Yes       reset function     Manual, automatic and remote       Trip class     CLASS 5 / 10 / 20 (datory set) / 30       adjustable current response value current of the current-     25 100 A       reader protective costing on printed-circuit bard     Yes       number of NC contacts of auxiliary contacts of overload     1       relay     at Act at 800 V     5 A       • at DC at 250 V     1 A       contact rating of auxiliary contacts of overload relay     300 V       actored of auxiliary contacts of overload relay     600 V       • at DC at 250 V     1 A       reader of auxiliary contacts of overload relay     5 A       eat DC at 250 V     1 A       contact rating of auxiliary contacts of overload relay     5 A		
input voltage         929 ms           ON-stelsy time         1024 ms           Overload rolsy         9           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • ground fail detection         Yes           • external resel         Yes           reset function         Yes           • external resel         Yes           restring reset         Yes           adjustable current response value current of the current dependent overload relaxe         10.0 A           tripping time alphase-loss maximum         3 s           relative repeat accuracy         Yes           product faiture protective coating on printed-circuit board         1           number of NC contacts of auxiliary contacts of overload         1           relative repeat accuracy         Yes           at AC at 600 V         1A           contract rating of auxiliary contacts of overload relay         5A           et DC at 250 V         1A           folicennect Switch         600 V           with multi-phase operation at AC rated value         300 V           United photed         100A / 250V           design of the hous link         Class R <td>of magnet coil</td> <td></td>	of magnet coil	
OFF-deby time     10 24 ms       Overload raisy     Product function       • overload protection     Yes       • phase failure detection     Yes       • asymmetry detection     Yes       • external reset     Yes       • reset function     Manual, automatic and remote       tripping time at phase-loss maximum     3 s       relative repeat accuracy     1%       product feature protective costing on printed-circuit boad     1       relative repeat accuracy     1%       operational current of auxiliary contacts of overload     1       relay     ontacts of auxiliary contacts of overload     1       relay     ontacts of auxiliary contacts of overload     1       relay     ontacts of auxiliary contacts of overload relay     5 A       • at DC at 250 Y     1 A       contact rating of auxiliary contacts of overload relay     600 V       • at DC at 250 Y     1 A       freagence value of switch disconnector     Class R fuse cips       oparating dass of the fuse ink     Class R       design of fuse holde		50 %
Overload Turction         Yes           overload protection         Yes           • apymatry detection         Yes           • agymetry detection         Yes           • agymetry detection         Yes           • agymetry detection         Yes           • agymetry detection         Yes           • external reset         Yes           reset function         Manual, automatic and remote           inproduct fault processor         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current.         dependent overload release           reproduct fault protective coating on printed-circuit board         1%           product fault protective coating on printed-circuit board         1%           product fault protective coating on printed-circuit board         1           relay         at AC at 600 V         1           • at DC at 280 V         5 A           • at AC at 600 V         5 A           • at AC at 800 V         5 A           • at AC at 800 V         5 A           • at AC at 800 V	ON-delay time	19 29 ms
product function     Yes       • overload protection     Yes       • apsase failure detection     Yes       • aground fault detection     Yes       • errore function     Yes       • external reset     Yes       • reset function     3 s       • reset function     3 s       • reset function     3 s       • external reset accuracy     1 %       product feature protective coaling on printed-circuit board     1       • ext AC at 600 V     5 A       • at AC at 600 V     5 A       • at AC at 600 V     5 A       • at AC at 250 V     1 A       contract rating of auxiliary contacts of overload relay     5 A       • ext AC at 600 V     1 A	OFF-delay time	10 24 ms
verified protection     ves     vesified protection     ves     ves     vesified protection     ves     exprending the detection     ves     exprending the detection     ves     ves     vesternal reset     ves     vesternal reset     ves     ves     ves     vesternal reset     ves     ves	Overload relay	
Phase failure detection     Yes     asymmetry detection     Yes     asymmetry detection     Yes     asymmetry detection     Yes     est function     Yes     vest function     Yes     reset function     Yes     reset function     Trp class     reset function     Trp class     reset and phase-loss maximum     3 s     relative repeat accuracy     1%     product feature protective coating on printed-circuit board     relay     reduct feature protective coating on printed-circuit board     relay     roumber of NC contacts of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay     out at 260 V     this migle-phase operation at AC rated value     solo V     this single-phase operation at AC rated value     solo V     outing (U)     with multi-phase operation at AC rated value     solo V     outing (U)     with multi-phase operation at AC rated value     solo V     outing (U)     with multi-phase operation at AC rated value     solo V     operating class of the fuse link     Class R tuse clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     Class R use clips     operating class of the fuse link     design of the housing     dustproof, waterproof & weatherproof     Mounting/wiring     mounting postibin     vertical     fastenin	product function	
	<ul> <li>overload protection</li> </ul>	Yes
	<ul> <li>phase failure detection</li> </ul>	Yes
test function         Yes         external reset         Yes         external reset         Yes         external reset         Yes         external reset         Yes         adjustable current response value current of the current-         dependent overhoad release         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 overhoad         relay         repartional current of auxiliary contacts of overhoad         relay         repartional current of auxiliary contacts of overhoad         relay         expenditional current of auxiliary contacts of overhoad         relay         expenditional current of auxiliary contacts of overhoad         relay         contact rating of auxiliary contacts of overhoad relay         according to UL         insultation voltage (UI)         evit and UL         insultation voltage (UI)         evit at 00 V         insultation voltage (UI)         evit multi-phase operation at AC rated value         600 V         evit multi-phase operation at AC rated value         600 V         evit multi-phase operation at AC rated value         600 V         evit multi-phase operation at AC rated value         folds / 250V         design of fuse holder         Class R fuse clips         class R tuse clips         class R         fenclosure         degree of protection NEMA rating         dustproof, waterproof & weatherproof         Mounting/winfig          mounting position         tx (14 10 AWG)         tx (14 2 AWG)         clashes aingle or multi-stranded         temperature of the conductor for supply maximum         per of sub-clashes ourge feeder multi-         stranded         temperature of the conductor for supply maximum         pere discurbal-side outigning feederer         tx (14 2 AWG)	<ul> <li>asymmetry detection</li> </ul>	Yes
• external reset         Yes           reset function         Manual, automatic and remote           tip 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 relay         1 %           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay e. at AC at 600 V         5 A           • at DC at 250 V         1 A           funding of auxiliary contacts of overload relay according to UL         5A@@600VAC (B600), 1A@250VDC (R300)           insultation voltage (UI)         600 V           • with single-phase operation at AC rated value         600 V           • with single-phase operation at AC rated value         600 V           operating class of the fuse link         Class R fuse clips operating class of the fuse link           class R         Class R           tectosure         Surface mounting and installation           type of election NEMA rating         4, 12           design of the housing         Surface mounting and installation           type of electical connectio	<ul> <li>ground fault detection</li> </ul>	Yes
reset function       Manual, automatic and remote         trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current.       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current.       25 100 A         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       1 %         relay       1 %         outber of NC contacts of auxiliary contacts of overload       1         relay       1 A C at 600 V         • at D C at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5 A         insulation voltage (UI)       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Disconnect Switch       Class R         design of fuse holder       Class R         design of the brousing       4, 12         design of the brousing       Surface mounting and installation         Mounting/wiring       Yer 6!         mounting position       vertical         fastening method       Yer 6!         type of econdcable conductor for supply maximum permissible       75 °C	test function	Yes
trip class         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent vertical relaxes         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         1           relay         • at AC at 600 V         5 A           insulation voltage (UI)         • at AC rated value           • with single-phase operation at AC rated value         600 V           • with single-phase operation at AC rated value         600 V           operating fusion to take disconnector         100A / 250V           response value of switch         Class R tuse clips           operating class of the fuse link         Class R tuse clips           coperating class of the fuse link         Class R tuse clips           degree of protection NEMA rating         4, 12           degree of protection for supply voltage line-side         Box lug           type of electrical connection for supply voltage line-side         Box lug           tigh	external reset	Yes
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 relay       1 %         number of NC contacts of auxiliary contacts of overload       1         relative repeat accuracy       1         operational current of auxiliary contacts of overload       1         relay       1 A         outcat rating of auxiliary contacts of overload relay eaccording to UL       5 A         insulation voltage (U)       600 V         with single-phase operation at AC rated value       600 V         with multi-phase operation at AC rated value       600 V         operating to UL       100A / 250V         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       dustproof, waterproof & weatherproof         Mounting/wring       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       120 120 lbf in         type of electrion connection for supply maximum       75 °C </td <td>reset function</td> <td>Manual, automatic and remote</td>	reset function	Manual, automatic and remote
adjustable current response value current of the current.       25 100 Å         tripping time at phase-loss maximum       3 s         relative ropeat accuracy       1 %         product feature protective coating on printed-circuit board relay       1 %         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 Å         • at AC at 800 V       5 Å         • at AC at 800 V       5 Å         contact rating of auxiliary contacts of overload relay according to UL       5 Å         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V <b>Disconnect Switch</b> Class R fuse clips         operating class of the fuse link       Class R         Enclosure       design of the housing       4, 12         design of the housing       4, 12         design of the housing       Surface mounting and installation         type of electrical connection for supply voltage line-side       120 120 lbf in         type of electrical connection for supply	trip class	CLASS 5 / 10 / 20 (factory set) / 30
relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         number of NC contacts of auxiliary contacts of overload       1         coperational current of auxiliary contacts of overload       1         coperational current of auxiliary contacts of overload relay       5 A         e 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 (U)       600 V         insulation voltage (U)       600 V         ewith multi-phase operation at AC rated value       300 V         Disconnect Switch       100A / 250V         response value of switch disconnector       100A / 250V         degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/Wiring       vertical         mounting position       vertical         tightening torque [Ibr-in] for supply voltage line-side       1x (14 1/0 AWG)         at AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C <td></td> <td></td>		
relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         number of NC contacts of auxiliary contacts of overload       1         coperational current of auxiliary contacts of overload       1         coperational current of auxiliary contacts of overload relay       5 A         e 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 (U)       600 V         insulation voltage (U)       600 V         ewith multi-phase operation at AC rated value       300 V         Disconnect Switch       100A / 250V         response value of switch disconnector       100A / 250V         degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/Wiring       vertical         mounting position       vertical         tightening torque [Ibr-in] for supply voltage line-side       1x (14 1/0 AWG)         at AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C <td></td> <td>3 s</td>		3 s
number of NC contacts of auxiliary contacts of overload relay       1         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         • at AC at 600 V       5 A         • at AC at 500 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5 A         insulation voltage (U)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Disconnect Switch       Class R fuse clips         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       dustproof, waterproof & weatherproof         Mounting/wiring       4, 12         mounting position       vertical         type of connectable conductor for supply voltage line-side at AWG cables single or multi-stranded       Box lug         tightening torque [Ibf-in] for load-side outgoing feeder       75 °C         material of the conductor for supply maximum permissible       75 °C         water of ibac-side outgoing feeder       14. (I 2 AWG)		1 %
number of NC contacts of auxiliary contacts of overload relay       1         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         • at AC at 600 V       5 A         • at AC at 500 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5 A         insulation voltage (U)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Disconnect Switch       Class R fuse clips         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       dustproof, waterproof & weatherproof         Mounting/wiring       4, 12         mounting position       vertical         type of connectable conductor for supply voltage line-side at AWG cables single or multi-stranded       Box lug         tightening torque [Ibf-in] for load-side outgoing feeder       75 °C         material of the conductor for supply maximum permissible       75 °C         water of ibac-side outgoing feeder       14. (I 2 AWG)	· · · · · · · · · · · · · · · · · · ·	Yes
number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact raing of auxiliary contacts of overload relay       5 A         according to UL       5 A         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       Class R fuse clips         response value of switch disconnector       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       vertical         fastening method       Surface mounting and installation         type of connectable conductor for supply voltage line-side       1x (14 1/0 AWG)         tat AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       1x (14 2 AWG)         vpo of load-side outgoing feeder single or	number of NC contacts of auxiliary contacts of overload	1
operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5 A @600VAC (B600), 1 A @250VDC (R300)         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         Obsconnect Switch       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       degree of protection NEMA rating         degree of protection NEMA rating       4, 12         design of the housing       surface mounting and installation         Mounting/wiring       vertical         fastering method       Surface mounting and installation         type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       1x (14 2 AWG)         tightening torque [lbf-in] for load-side outgoing feeder       1x (14 2 AWG)	number of NO contacts of auxiliary contacts of overload	1
• 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)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Disconnect Switch       Class R fuse clips         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure          degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightning torque [Ibr-in] for supply       120 120 lbr-in         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       1x (14 2 AWG)         tightening torque [	operational current of auxiliary contacts of overload relay	
contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       600 V         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       dustproof, waterproof & weatherproof         Mounting/wiring       4, 12         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       1x (14 2 AWG)         tightening torque [lbf-in] for load-side outgoing feeder       1x (14 2 AWG)		5 A
contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       600 V         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       dustproof, waterproof & weatherproof         Mounting/wiring       4, 12         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       1x (14 2 AWG)         tightening torque [lbf-in] for load-side outgoing feeder       1x (14 2 AWG)		
insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Disconnect Switch       300 V         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       surface mounting and installation         type of connectable conductor cross-sections at line-side       Box lug         tightening torque [lbf-in] for supply voltage line-side       1x (14 1/0 AWG)         temperature of the conductor for supply maximum       75 °C         permissible       AL or CU         type of electrical connection for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor cross-sections at AWG       1x (14 2 AWG)         etables single or multi-side outgoing feeder       45 45 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       45 45 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       1x (14 2 AWG) </td <td>contact rating of auxiliary contacts of overload relay</td> <td>5A@600VAC (B600), 1A@250VDC (R300)</td>	contact rating of auxiliary contacts of overload relay	5A@600VAC (B600), 1A@250VDC (R300)
with single-phase operation at AC rated value     with multi-phase operation at AC rated value     300 V      Disconnect Switch      response value of switch disconnector     100A / 250V     design of fuse holder     Olass R fuse clips     operating class of the fuse link     Enclosure      degree of protection NEMA rating     design of the housing     dustproof, waterproof & weatherproof     Mounting/wiring     mounting position     fastening method     Surface mounting and installation     type of electrical connection for supply voltage line-side     temperature of the conductor for supply maximum     permissible     material of the conductor for supply maximum     permissible     material of the conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     AL or CU     type of connectable conductor for supply     tading feeder     type of connectable conductor for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of connectable conductor for load	-	
• with multi-phase operation at AC rated value         300 V           Disconnect Switch         100A / 250V           design of fuse holder         Class R fuse clips           operating class of the fuse link         Class R           Enclosure         degree of protection NEMA rating           degree of protection NEMA rating         4, 12           design of the housing         dustproof, waterproof & weatherproof           Mounting/wiring         mounting position           mounting position         vertical           fastening method         Surface mounting and installation           type of electrical connection for supply voltage line-side         Box lug           tightening torque [lbf:in] for supply         120 120 lbf:in           type of connectable conductor for supply maximum         75 °C           permissible         material of the conductor for supply           material of the conductor for supply         AL or CU           type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder         45 45 lbf:in           type of connectable conductor cross-sections at AWG cables outgoing feeder         45 45 lbf:in           type of connectable conductor for load-side outgoing feeder         1x (14 2 AWG)           cables for load-side outgoing feeder         1x (14 2 AWG)		600 V
Disconnect Switch         response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure          degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring          mounting position       vertical         fastening method       Surface mounting and installation         tightening torque [lbf:n] for supply       120 120 lbf:in         type of connectable 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       45 45 lbf-in         type of connectable conductor cross-sections at AWG cables outgoing feeder       45 45 lbf-in         type of electrical connection for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor cross-sections at AWG cables outgoing feeder       1x (14 2 AWG)         cables for load-side outgoing feeder       75 °C		
response value of switch disconnector       100A / 250V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       design of the housing         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       dustproof, waterproof & weatherproof         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x (14 1/0 AWG)         at AWG cables single or multi-stranded       75 °C         material of the conductor for supply       AL or CU         type of electrical connectable conductor cross-sections at AWG cables for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       1x (14 2 AWG)         tables for load-side outgoing feeder       1x (14 2 AWG)		
design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       wertical         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor cross-sections at XWG cables for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Hour CU         type of connectable conductor cross-sections at XWG cables for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Hour CU         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Hour CU		1004 / 250\/
operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       ustproof, waterproof & weatherproof         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature 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       Box lug         tades for load-side outgoing feeder       Box lug         tightening torque [lbf-in] 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       1x (14 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C		
Enclosure         degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       mounting position         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x (14 1/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of connectable conductor cross-sections at AWG cables outgoing feeder       45 45 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       1x (14 2 AWG)         tightening torque [lbf-in] for load-side outgoing feeder       1x (14 2 AWG)	5	•
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Mounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply120 120 lbf-intype of connectable conductor cross-sections at line-side1x (14 1/0 AWG)at AWG cables single or multi-stranded75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder80x lugtightening torque [lbf-in] for load-side outgoing feeder45 45 lbf-intype of connectable conductor for supply1x (14 2 AWG)		
mounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 1/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder1x (14 2 AWG)tightening torque for load-side outgoing feeder1x (14 2 AWG)tightening torque for load-side outgoing feeder1x (14 2 AWG)type of connectable conductor for load-side outgoing feeder75 °C	5 5	
fastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 1/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feeder45 45 lbf-intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C		
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tightening torque [lbf-in] for supply120 120 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 1/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feederBox lugtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder1x (14 2 AWG)type of connectable conductor for load-side outgoing feeder1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C		Surface mounting and installation
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 1/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feederBox lugtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C		5
at AWG cables single or multi-stranded75 °Ctemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feeder45 45 lbf-intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C		
permissible       AL or CU         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       75 °C		1x (14 1/0 AWG)
type of electrical connection for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feeder45 45 lbf-intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C	1 11 3	75 °C
tightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C	material of the conductor for supply	AL or CU
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °C	type of electrical connection for load-side outgoing feeder	Box lug
cables for load-side outgoing feeder single or multi- stranded       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C	tightening torque [lbf·in] for load-side outgoing feeder	45 45 lbf·in
	cables for load-side outgoing feeder single or multi-	1x (14 2 AWG)
		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	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 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	2x (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)	
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=US2:17GUG92NF14 Service&Support (Manuals, Certificates, Characteristics, FAQs,)		
https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG92NF14		
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Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17GL	JG92NF14/certificate	

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