## SIEMENS

## Data sheet

## US2:17GUG92NJ13



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solidstate overload relay, OLR amp range 25-100A, 24VAC 50-60Hz coil, Combination type, 60A fusible disconnect, 60A/600V fuse clip, Enclosure NEMA type 4/12, Water/dust tight for outdoors, Standard width enclosure

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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	
<ul> <li>during operation</li> </ul>	-20 +40 °C	
country of origin	USA	
Horsepower ratings		
yielded mechanical performance [hp] for 3-phase AC motor		
• at 200/208 V rated value	0 hp	
• at 220/230 V rated value	0 hp	
• at 460/480 V rated value	0 hp	
• at 575/600 V rated value	30 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		

• srAC at 60 Hz mick value         24 V           holding power of magnet coil at AC         218 VA           apparent pick-up power of magnet coil at AC         25 VA           operating range factor control supply voltage rated value         0.85 1.1           of magnet coil         25 VA           operating range factor control supply voltage rated value         60 %           input voltage         0.85 1.1           of magnet coil         10 28 ms           CPF-delay time         10 24 ms           Overload rated         Yes           • operading range protection         Yes           • operading range protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • aster function         Yes           • acternal reset         Yes           reset function         Manual, automatic and remote           trip class         range of auxiliary contacts of overload           fripping time at phase-loss maximum         3 s           relative repark accuracy         1%           product feature protection of auxiliary contacts of overload         1           relative repark accuracy         5 Å           relatis trepark accuracy         5 Å		2414
holding power at AC minimum         8.6 W           apparent holding power of magnet coll at AC         218 VA           apparent holding power of magnet coll at AC         25 VA           operating range factor control supply voltage rated value         0.85 1.1           of magnet coll         50 %.           percental drop-out voltage of magnet coll related to the input voltage.         50 %.           CM-data tisky         19 28 ms           OVerload relay         10 24 ms           Overload protection         Yes           e asymmetry detection         Yes           e asymmetry detection         Yes           e start function         Yes           e start function         Yes           e start function         Yes           e start function         Yes           reset function         Manual, automatic and remote           tripicitie current response wake eurnent of the current-         25 100 A           adjustable current response wake eurnent of inthe current-         1%           priset function         Yes           relative repeat excurscy         1%           product function of auxiliary contacts of overload relay         4 s           operating lace phase posts maximum         3 s           relat C at 25	at AC at 50 Hz rated value	24 V
apparent pick-up power of magnet coil at AC         218 VA           apparent hidding power of magnet coil et AC         25 VA           Operating range factor control supply voltage rated value         685 1.1           of magnet coil         50 %           protent at op-out voltage of magnet coil related to the input voltage         50 %           ON-delay time         10 24 ms           Vertical rated protection         Yes           • apparent lack-up power dual voltage         Yes           • approxed and protection         Yes           • approxed and protection         Yes           • approxed and protection         Yes           • approxed rate detection         Yes           • approxed rate or the contrast         3 s           relative ropeat accuracy         Yes           product facture protective coaling on printed-circuit board         1           relative ropeat accuracy         1 %           product facture protective coaling on printed-circuit board         1           relative ropeat accuracy         1 %		
apparent hoting power of magnet coil related to value of magnet coil         25 VA           operating magnet coil related to the input voltage         0.85 1.1           OVF class time         19 29 ms           OVF class time         10 24 ms           Overload rolsy time         00.85 1.1           overload protection         Yes           • overload protection         Yes           • passe failure detection         Yes           • agymetry detection         Yes           • attential reset         Yes           reset function         Manual, automatic and remote           tripp data at phase-loss maximum         3 s           relative repeat accuracy		
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.         50 %           OFF-delay time         10 24 ms           OVerload function         Yes           product function         Yes           • overload protection         Yes           • ground fault detection         Yes           • agymetry detection         Yes           • agymetrized related to the input voltage         Manual, automatic and remote           • overload protection         Yes           • agymetrized related         Yes           • agymetrized related         Yes           • agymetrized related         Yes           • acternal reset         Yes           Product fault protective costing on printed-circuit board         Yes           relative repeat accuracy         Two           product fault protective costing on printed-circuit board         1%           product fault protective costing on printed-circuit board         1           relative repeat accuracy         Two           product fault protective costing on printed-circuit board         1           relative repeat accuracy         Yes           number of NC contacts of auxiliary contacts of overload relay		
of magnet coll       50 %         percental drop-out voltage of magnet coll related to the input voltage       50 %         OFF-delay time       10 24 ms         Overload relay       mass         product function       Yes         • overload protection       Yes         • ground fault detection       Yes         • asymmetry detection       Yes         • ester function       Yes         • ester function       Yes         • ester function       Manual, automatic and remote         Mip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current-dependent overload relase       25 100 A         dependent overlaar release       Yes         relative repeat accuracy       1 %         product function contacts of auxiliary contacts of overload relay       1 1         relative repeat accuracy       1 %         product function function during on printed-circuit board       1 1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 280 V       5 A		
input voltage     9     29 ms       OVFE-delay time     10     24 ms       Overload rolay     product function     Yes       • overload protection     Yes       • ground fault detection     Yes       • ground fault detection     Yes       • estimation     Manual, automatic and remote       tripping time at phase-loss maximum     3 s       relative report response value current of the current-dependent cortical contacts of overload     1       relative repeat accuracy     1 %       product feature protective coating on printed-circuit boad     1       relay     number of NC contracts of auxiliary contracts of overload     1       operational current of auxiliary contracts of overload relay     5 Å       • at DC at 250 V     1 Å       • with mitig-phase operation at AC rated value     300 V <b>Disconnect Switch</b> Class R tuse clips       operating class of the fuse link     Class R tuse clips       operating class of the fuse link     Class R tuse clips       operating clostion     fullen <td>of magnet coil</td> <td></td>	of magnet coil	
OFF-delay time       10 24 ms         Overload relay       product function         • werload protection       Yes         • ophase failure detection       Yes         • ground fault detection       Yes         • esternal reset       Yes         • external reset       Yes         • external reset       Yes         • external reset       Yes         reset function       Yes         ripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product faure protective coating on printed-circuit board       1         relative repeat accuracy       1 %         product faure protective coating on printed-circuit board       1         relative repeat accuracy       1 %         product faure protective coating on printed-circuit board       1         relay       at Cat 600 V       5 A         • at D Cat 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A         according to UL       1         insulation voltage (UI)       •         • with multi-phase operation at AC rated value       500 V         • with multi-phase operation at AC rated value       500 V         • with multi-phase		50 %
Ovariasi         product function         Yes           • overlad protection         Yes           • phase failure detection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • end fault detection         Yes           • end fault detection         Yes           • external reset         Yes           • external reset         Yes           • adjustable current response value current of the current- dependent overload retease         Yes           tripping time of the phase-loss maximum         3 s           retailty repeat accuracy         1%           product faultie protective coating on printed-circuit board         1           number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5 A           • et RC at 250 V         5 A           • et RC at 250 V         5 A           isublation voitage (UI)         600 V           • with single-phase operation at AC rated value         600 V           Operator rating of auxiliary contacts of overload relay         500 V           isublation voitage (UI)         600 V         500 V           isub rating base poration at AC rated value         600 V </td <td>ON-delay time</td> <td>19 29 ms</td>	ON-delay time	19 29 ms
product function         Yes           • ohes failure detection         Yes           • symmetry detection         Yes           • ester failure detection         Yes           • est function         Yes           • est function         Yes           adjustable current response value current of the current- dependent overload release         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent overload release         3 s           tripping time at phase-loss maximum         3 s           relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay         1 %           product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           outcat rating of auxiliary contacts of overload relay according to auxiliary contacts of overload relay adustroof the busing         5A </td <td>OFF-delay time</td> <td>10 24 ms</td>	OFF-delay time	10 24 ms
	Overload relay	
	product function	
easymmetry detection     ergound fault detection     ergound fault detection     ergound fault detection     external reset     external reset     reset function     Hip class     external reset     reset function     Itip class     adjustable current response value current of the current     dependent overload release     trip class     adjustable current response value current of the current     dependent overload release     tripping time at phase-loss maximum     as      relative repeat accuracy     product fault represerve coating on printed-circuit board     relay     number of NC contacts of auxiliary contacts of overload     relay     number of NC contacts of auxiliary contacts of overload     relay     eat AC at 600 V	<ul> <li>overload protection</li> </ul>	Yes
	<ul> <li>phase failure detection</li> </ul>	Yes
	<ul> <li>asymmetry detection</li> </ul>	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 number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5           e at DC at 250 V         5 A           e at CC at 250 V         1 A           contact rating of auxiliary contacts of overload relay according to UL         50@600VAC (B600), 1A@250VDC (R300) according to UL           insulation voltage (Ui)         600 V         5 A           e at DC at 250 V         1 A           contact rating of auxiliary contacts of overload relay according to UL         50@0VAC (B600), 1A@250VDC (R300) according to UL           insulation voltage (Ui)         ewith multi-phase operation at AC rated value         600 V           estimation voltage (Ui)         60A / 600V         Class R fuse clips           operating class of the fuse link         Class R         Class R           electosuro         60A / 600V         Class R	<ul> <li>ground fault detection</li> </ul>	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       Yes         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         eat AC at 600 V       5 A         eat AC at 600 V       5 A         insulation voltage (UI)       600 V         ewith single-phase operation at AC rated value       600 V         90 V       300 V         Disconnect Switch       Class R fuse clips         response value of switch disconnector       60A / 600V         degree of protection NEMA rating       4, 12         design of the busing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       vertical         Surface mounting and installation       35 % °C         Type of electrical connection for supply voltage line-side at AWC	test function	Yes
trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent verhoad release       25 100 A         tripping time at phase-loss maximum       3 s         relative repoted accuracy       1 %         product feature protective coating on printed-circuit board 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 DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A         • at DC at 250 V       1 A         onsultation voltage (UI)       600 V         • 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       60A / 600V         design of the busing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       surface         fastening method       Surface mounting and installation </td <td>external reset</td> <td>Yes</td>	external reset	Yes
adjustable current response value current of the current-       25 100 A         dependent overload release       3 s         tripping time at phase-loses 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       1         number of NC contacts of auxiliary contacts of overload       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         according to UL       1 A         insulation voltage (UI)       600 V         with multi-phase operation at AC rated value       300 V         Disconnect Switch       600 V         response value of switch disconnector       60A / 600V         degree of protection NEMA rating       4, 12         design of fuse holder       Class R         constrating dausing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       surface mounting and installation         type of electrical connection for supply voltage line-side       1x (14 2 AWG)         tightening torque [lbf-in] for load-side outgo	reset function	Manual, automatic and remote
adjustable current response value current of the current-       25 100 A         dependent overhad release       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       1 %         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         operational current 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         according to UL       5 A         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       600 V         response value of switch disconnector       60A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       4, 12         design of the conductor corss-sections at line-side at/WC soles single or multi-strande       1x (14 2 AWG)         tightening torque [lbf-in] for supply voltage line-side at/WC cabe single or multi-strande	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         number of NO contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         ott 250 V       1A         contact rating of auxiliary contacts of overload relay       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         Obsconnect Switch       600 V         response value of switch disconnector       60A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       Vertical         mounting position       Surface mounting and installation         type of electrical connector for supply voltage line-side       Box lug         thype of electrical connector for		25 100 A
relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         number of NO contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         ott 250 V       1A         contact rating of auxiliary contacts of overload relay       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         Obsconnect Switch       600 V         response value of switch disconnector       60A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       Vertical         mounting position       Surface mounting and installation         type of electrical connector for supply voltage line-side       Box lug         thype of electrical connector for	tripping time at phase-loss maximum	3 s
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 e at AC at 600 V       5 A         e at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A         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 single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       4, 12         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       1x (14 2 AWG)         material of the conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       50 klpfin		1 %
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 e at AC at 600 V       5 A         e at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A         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 single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       4, 12         mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       1x (14 2 AWG)         material of the conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       50 klpfin	· · · · · · · · · · · · · · · · · · ·	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 rating of auxiliary contacts of overload relay 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       600 V         • with multi-phase operation at AC rated value       600 V         Disconnect Switch       60A / 600V         response value of switch disconnector       60A / 600V         degree of protection NEMA rating       4, 12         derige of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       vertical         tightening torque [lbf-in] for supply       35 35 lbf-in         type of electrical connector for supply voltage line-side       Box lug         tightening torque [bf-in] for supply       35 35 lbf-in         type of connectable conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       Box lug         material of the conductor for supply maximum permissible       75 °C         temperature of the conductor for supply maximum permissible <td>number of NC contacts of auxiliary contacts of overload</td> <td>1</td>	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       5 A         according to UL       5A         insulation voltage (Ui)       • with single-phase operation at AC rated value         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V <b>Disconnect Switch</b> 60A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R <b>Enclosure</b> 4, 12         degree of protection NEMA rating       4, 12         design of the housing       4ustproof, waterproof & weatherproof         Mounting/wiring       vertical         mounting position       surface mounting and installation         tightening torque [lbf:n] for supply       35 35 lbf:in         type of electrical connecton for supply woltage line-side       35 35 lbf:in         twpe of connectable conductor cross-sections at line-side       1X (14 2 AWG)         at AVG cables single or multi-stranded       T5 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum       75 °C	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         60A / 600V           design of fuse holder         Class R fuse clips           operating class of the fuse link         Class R           Enclosure         4, 12           design of the bousing         dustproof, waterproof & weatherproof           Mounting/wiring         vertical           mounting position         vertical           fastening method         Surface mounting and installation           type of connectable conductor cross-sections at line-side at AVG 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 connectable conductor for supply         AL or CU           type of connectable conductor for supply         AL or CU           type of connectable conductor cross-sections at AWG	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 multi-phase operation at AC rated value       300 V         Disconnect Switch       600 / Class R fuse clips         response value of switch disconnector       60A / 600V         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       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf:n] for supply       35 35 lbf:in         type of connectable conductor for supply maximum       75 °C         permissible       Rox lug         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       Tx (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 multi-phase operation at AC rated value       300 V         Disconnect Switch       600 / Class R fuse clips         response value of switch disconnector       60A / 600V         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       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf:n] for supply       35 35 lbf:in         type of connectable conductor for supply maximum       75 °C         permissible       Rox lug         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       Tx (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       60A / 600V         response value of switch disconnector       60A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       60A / 12         degree of protection NEMA rating       4, 12         degree of protection NEMA rating       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       35 35 lbf-in         tx (14 2 AWG)       1x (14 2 AWG)         material 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       1x (14 2 AWG)	contact rating of auxiliary contacts of overload relay	5A@600VAC (B600), 1A@250VDC (R300)
<ul> <li>with single-phase operation at AC rated value</li> <li>with multi-phase operation at AC rated value</li> <li>300 V</li> <li>Disconnect Switch</li> <li>response value of switch disconnector</li> <li>60A / 600V</li> <li>design of fuse holder</li> <li>Class R fuse clips</li> <li>operating class of the fuse link</li> <li>Class R</li> <li>Enclosure</li> <li>degree of protection NEMA rating</li> <li>d. 12</li> <li>design of the housing</li> <li>dustproof, waterproof &amp; weatherproof</li> <li>Mounting/wiring</li> <li>mounting position</li> <li>vertical</li> <li>fastening method</li> <li>Surface mounting and installation</li> <li>type of electrical connection for supply voltage line-side</li> <li>at AWG cables single or multi-stranded</li> <li>tamperature of the conductor for supply maximum permissible</li> <li>material of the conductor for supply</li> <li>AL or CU</li> <li>type of electrical connection for load-side outgoing feeder</li> <li>tightening torque [lbf-in] for load-side outgoing feeder</li> <li>tightening torque [lbf-in] for load-side outgoing feeder</li> <li>tightening torque [lbf-in] for load-side outgoing feeder</li> <li>type of connectable conductor cross-sections at XWG</li> </ul>		
with multi-phase operation at AC rated value     300 V      Disconnect Switch      response value of switch disconnector     60A / 600V      design of fuse holder     Class R fuse clips     operating class of the fuse link     Class R      Enclosure      degree of protection NEMA rating     design of the housing     design of the housing     design of the housing     vertical     fastening method     surface mounting and installation     type of electrical connection for supply voltage line-side     at AWG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     material of the conductor for supply     AL or CU     type of electrical connection for load-side outgoing feeder     tightening torque [lbf-in] for load-side outgoing feeder     type of connectable conductor cross-sections at AWG		600 V
Disconnect Switch         response value of switch disconnector       60A / 600V         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         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       35 35 lbf-in         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       45 45 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor cross-sections at AWG       1x (14 2 AWG)		
response value of switch disconnector       60A / 600V         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         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       35 35 lbf-in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x (14 2 AWG)         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       45 45 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       45 45 lbf-in	i	
design of fuse holderClass R fuse clipsoperating class of the fuse linkClass REnclosuredegree of protection NEMA rating4, 12design of the housingdustproof, waterproof & weatherproofMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side1x (14 2 AWG)type of electrical connection for supply maximum75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feederHox (14 2 AWG)		60A / 600V
operating class of the fuse link       Class R         Enclosure       4, 12         design of the housing       dustproof, waterproof & weatherproof         Mounting/wiring       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       35 35 lbf-in         type of connectable conductor cross-sections at line-side       1x (14 2 AWG)         material 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       1x (14 2 AWG)		
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       35 35 lbf-in         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       4L or CU         type of electrical connection for load-side outgoing feeder       45 45 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       45 42 MVG)	5	
degree of protection NEMA rating4, 12design of the housingdustproof, waterproof & weatherproofMounting/wiringverticalmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 lugtightening torque [lbf·in] for load-side outgoing feeder4. or CUtype of connectable conductor cross-sections at AWGTs (14 2 AWG)		
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       35 35 lbf-in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x (14 2 AWG)         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       4L or CU         type of connectable conductor cross-sections at AWG       1x (14 2 AWG)		4.42
Mounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 lugtightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG1x (14 2 AWG)	5	
mounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 lugtightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG1x (14 2 AWG)		
fastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 lugtightening torque [lbf·in] for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG1x (14 2 AWG)		
type of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply35 35 lbf intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 lugtightening torque [lbf-in] for load-side outgoing feeder45 45 lbf-intype of connectable conductor cross-sections at AWG1x (14 2 AWG)		
tightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 AWG1x (14 2 AWG)		
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 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 AWG1x (14 2 AWG)		
at AWG cables single or multi-stranded       4         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       1x (14 2 AWG)		
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     1x (14 2 AWG)		1x (14 2 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 AWG1x (14 2 AWG)	1 11 2	75 °C
tightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG1x (14 2 AWG)	material of the conductor for supply	AL or CU
type of connectable conductor cross-sections at AWG 1x (14 2 AWG)	type of electrical connection for load-side outgoing feeder	Box lug
	tightening torque [lbf-in] for load-side outgoing feeder	45 45 lbf·in
cables for load-side outgoing feeder single or multi- stranded	cables for load-side outgoing feeder single or multi-	1x (14 2 AWG)
temperature of the conductor for load-side outgoing feeder 75 °C 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	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=US2:17GUG92NJ13 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG92NJ13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)					
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17GUG92NJ13⟨=en					
Certificates/approvals					
https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG92NJ13/certificate					

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