## **SIEMENS**

Data sheet US2:17GUG92WA15



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Combination type, 100A fusible disconnect, 100A/600V fuse clip, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Standard width enclosure

Figure similar

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; Dual voltage coil
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	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	0 hp
• at 220/230 V rated value	0 hp
• at 460/480 V rated value	30 hp
• at 575/600 V rated value	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	10000000
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	

holding power at AC minimum apparent pick-up power of magnet coil at AC apparent pick-up power of magnet pick-up power pick-up	at AC at 60 Hz rated value	110 240 V
apparent pick up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC perfuln prangel etoor control supply voltage rade value of magnet coil apparent on the providing and the providing		
apparent holding power of magnet coil at AC person personal page factor control supply voltage rated value of magnet coil substitution of the process of the process of the process of the page of the process of the pr		
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percental drop-out voltage of magnet coll related to the injust voltage.  ON-delay time  OF-delay time  OF-delay time  19 29 ms  Overload relay  product function  • overload protection • operational druit detection • operational druit detection • easymmetry detection • external reset  reset function • external reset  reset function  Itip class adjustable current response value current of the current-dependent overload release  replace of the contacts of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V  contact rating of auxiliary contacts of overload relay • with single-phase operation at AC rated value • with multi-phase operation at AC rated value	operating range factor control supply voltage rated value	
Overload relay product function  • overload protection  • phase failure detection  • ground faut detection  • external reset  reset function  • external reset  reset function  • external reset  reset function  Manual, automatic and remote  CLASS 5/10/20 (factory set)/30  adjustable current response value current of the current-dependent overload release  tripping time at phase-loss maximum  relative repeat accuracy  relative repeat accuracy  number of NC contacts of auxiliary contacts of overload relay  and the fact of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  ontact rating of auxiliary contacts of overload relay  • with multi-phase operation at AC rated value  • with multi-phase operation at AC r		50 %
product function  o overload protection  o phase failure detection  o symmetry detection  e symmetry detection  ves  ground fault detection  ves  ves  ves  ves  ves  ves  ves  ve	ON-delay time	19 29 ms
product function  • overload protection  • phase failure detection  • asymmetry detection  • ground fault detection  • test function  • external reset  reset function  tip class  adjustable current response value current of the current-dependent overload release  tripping time at phase-loss maximum  3 a  relative repeat accuracy  product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay  number of NC contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  at AC at 600 V  at DC at 250 V  contact rating of auxiliary contacts of overload relay  with multi-phase operation at AC rated value  with multi-phase operation at AC rated value  with multi-phase operation at AC rated value  operating class of the fuse link  Class R  Enclosure  degree of protection REMA rating  design of the housing  Mounting/writing  mounting position  fastering method  type of electrical connection for supply viaximum  permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  yes of electrical connection for load-side outgoing feeder  Yes  CLASS 5 / 10 / 20 (factory set) / 30  25 100 A  design of the subject of auxiliary contacts of overload  1 **  1 **  Yes  1 **  Yes  1 **  Yes  1	OFF-delay time	10 24 ms
overload protection     phase failure detection     asymmetry detection     ground fault detection     test function     external reset     ves     test function     external reset     ves     adjustable current response value current of the current-dependent overload release     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     eat AC at 600 V     at DC at 250 V     at DC at 250 V     with multi-phase operation at AC rated value     over the housing     design of the housing     design of the housing     mounting position     fastering method     type of electrical connection for supply y maximum     permissible     material of the conductor for supply     material of the conductor for supply     material of the conductor for load-side outgoing feeder     very or selectrical connection for load-side outgoing feeder     very or selectrical connection for load-side outgoing feeder     vertical     selectrical connection for load-side outgoing feeder     selectrical connection for load-side outgoing feeder     selectrical connection for load-side outgoing feeder     supply or selectrical connection for load-side outgoing feeder	Overload relay	
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• ground fault detection     • test function     • test function     • external reset     reset function     Trip class     reset function     Manual, automatic and remote     CLASS 5 / 10 / 20 (factory set) / 30     adjustable current response value current of the current-dependent overload release     tripping time at phase-loss maximum     relative repeat accuracy     product feature protective coating on printed-circuit board     number of NC contacts of auxiliary contacts of overload     relay     number of NO contacts of auxiliary contacts of overload     relay     • at AC at 600 V     • at DC at 250 V     contact rating of auxiliary contacts of overload relay     • at AC at 500 V     • at DC at 250 V     contact rating of auxiliary contacts of overload relay     • with single-phase operation at AC rated value     • with multi-phase operation at AC rated value     • with multi-phase operation at AC rated value     • with single-phase operation at AC rated value     • with single-phase operation at AC rated value     • with single sholder     class R fuse clips     operating class of the fuse link     Class R fuse clips     operating class of the fuse link     Class R      Class R fuse clips     operating class of the fuse link     Class R      classening method     surface mounting and installation     surface mounting position     fastening method     surface mounting and installation     surface of the conductor for supply voltage line-side     its plant in the conductor for supply your part in the conductor for supply yourt in the permissible     material of the conductor for supply	phase failure detection	Yes
* external reset     *    *	<ul> <li>asymmetry detection</li> </ul>	Yes
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number of NC contacts of auxiliary contacts of overload relay  number of NO contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  contact rating of auxiliary contacts of overload relay according to UL  insulation voltage (Ui)  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  Obsconnect Switch  response value of switch disconnector  design of fuse holder  operating class of the fuse link  Class R  Enclosure  degree of protection NEMA rating  design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [librin] for supply  type of connectable conductor ross-sections at line-side  at AWG cables single or multi-stranded  temperature of the conductor for supply  AL or CU  type of electrical connection for load-side outgoing feeder  Box lug  type of electrical connection for supply  AL or CU  type of electrical connection for load-side outgoing feeder  Box lug	relative repeat accuracy	1 %
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relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value  **Operating class of the fuse link**  **Enclosure**  **Description**  **Enclosure**  **degree of protection NEMA rating**  **design of the housing**  **Mounting/wiring**  **mounting position**  **fastening method**  **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  type of electrical connection for load-side outgoing feeder**  **JAC AC AC (B600), 1A@250VDC (R300)  **JA@600VAC (B600), 1A@250VDC (R300)  **JA@	·	1
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at DC at 250 V  contact rating of auxiliary contacts of overload relay according to UL  insulation voltage (Ui)  with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value  owith multi-phase operation at AC rated value  insulation voltage (Ui)  with single-phase operation at AC rated value  owith multi-phase operation at AC rated value  insulation voltage voltage in the fuse of the	operational current of auxiliary contacts of overload relay	
contact rating of auxiliary contacts of overload relay according to UL  insulation voltage (Ui)  • with single-phase operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation	• at AC at 600 V	5 A
according to UL  insulation voltage (Ui)  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  300 V  Disconnect Switch  response value of switch disconnector  design of fuse holder  operating class of the fuse link  Class R  Enclosure  degree of protection NEMA rating  design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  temperature of the conductor for supply maximum  permissible  material of the conductor for load-side outgoing feeder  box V  100 V  200 V  100 V  200 V  20		
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  design of fuse holder  operating class of the fuse link  Class R  Enclosure  degree of protection NEMA rating  design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded  temperature of the conductor for supply  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  material of the conductor for load-side outgoing feeder  box V  100 V  200 V  100 A / 600 V  100 A /	according to UL	5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value    Disconnect Switch	3 ( )	
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response value of switch disconnector  design of fuse holder operating class of the fuse link  Class R  Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply type of connectable conductor for supply maximum permissible material of the conductor for supply to class R  Las Class R  Las Clas Class R  Las Clas Class R  Las Class Class R  Las Clas Class Class Class Class Class Class Class		300 V
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degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for supply type of electrical connection for supply table tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder  Box lug		
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design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder mounting and installation  Box lug 120 120 lbf·in 1x (14 1/0 AWG)  AL or CU type of electrical connection for load-side outgoing feeder  Box lug		
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mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  wertical  Surface mounting and installation  Box lug  120 120 lbf-in  1x (14 1/0 AWG)  75 °C  AL or CU  type of electrical connection for load-side outgoing feeder  Box lug		dustproof, waterproof & resistant to corrosion
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder  Surface mounting and installation Box lug  120 120 lbf·in 1x (14 1/0 AWG)  At (14 1/0 AWG)  At or CU type of electrical connection for load-side outgoing feeder Box lug		
type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply type of electrical connection for load-side outgoing feeder  Box lug  120 120 lbf·in  1x (14 1/0 AWG)  AL or CU  type of electrical connection for load-side outgoing feeder  Box lug		
tightening torque [lbf·in] for supply  type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  120 120 lbf·in  1x (14 1/0 AWG)  75 °C  AL or CU  type of electrical connection for load-side outgoing feeder  Box lug		-
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type of electrical connection for load-side outgoing feeder Box lug	permissible	
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type of connectable conductor cross sections at AWC 4x (14 2 AWC)		
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  1x (14 2 AWG)  1x (14 2 AWG)	cables for load-side outgoing feeder single or multi-	1X (14 Z AVVG)
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C		75 °C
material of the conductor for load-side outgoing feeder AL or CU	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)
<a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17GUG92WA15">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17GUG92WA15</a>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG92WA15

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17GUG92WA15&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG92WA15/certificate

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