## SIEMENS

## Data sheet

## US2:18GUG92WG



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solidstate overload relay, OLR amp range 25-100A, Combination type, 100A circuit breaker, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Standard width enclosure

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product brand name	Class 18 & 26				
design of the product	Full-voltage non-reversing motor starter with motor circuit protector				
special product feature	ESP200 overload relay; Half-size controller				
General technical data					
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				
Horsepower ratings					
yielded mechanical performance [hp] for 3-phase AC motor					
<ul> <li>at 200/208 V rated value</li> </ul>	15 hp				
<ul> <li>at 220/230 V rated value</li> </ul>	20 hp				
• at 460/480 V rated value	30 hp				
<ul> <li>at 575/600 V rated value</li> </ul>	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					
<ul> <li>at AC at 50 Hz rated value</li> </ul>	190 220 V				
• at AC at 60 Hz rated value	220 240 V				

holding power at AC minimum	8.6 W		
apparent pick-up power of magnet coil at AC	218 VA		
apparent holding power of magnet coil at AC	218 VA 25 VA		
operating range factor control supply voltage rated value of magnet coil	0.85 1.1		
percental drop-out voltage of magnet coil related to the input voltage	50 %		
ON-delay time	19 29 ms		
OFF-delay time	10 24 ms		
Overload relay			
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		
make time with automatic start after power failure maximum	3 s		
relative repeat accuracy	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			
• at AC at 600 V	5 A		
• at DC at 250 V	1 A		
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)		
insulation voltage (Ui)			
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V		
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V		
Enclosure			
degree of protection NEMA rating	4X, 304 stainless steel		
design of the housing	dustproof, waterproof & resistant to corrosion		
Circuit Breaker			
Circuit Breaker type of the motor protection	Motor circuit protector (magnetic trip only)		
Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value	Motor circuit protector (magnetic trip only) 100 A		
Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit	Motor circuit protector (magnetic trip only)		
Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring	Motor circuit protector (magnetic trip only) 100 A		
Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit	Motor circuit protector (magnetic trip only) 100 A 315 1000 A Vertical		
Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of         instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method	Motor circuit protector (magnetic trip only) 100 A 315 1000 A Vertical Surface mounting and installation		
Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of         instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side	Motor circuit protector (magnetic trip only) 100 A 315 1000 A Vertical Surface mounting and installation Box lug		
Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of         instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side         at AWG cables single or multi-stranded	Motor circuit protector (magnetic trip only) 100 A 315 1000 A Vertical Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)		
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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 short-circuit trip	Instantaneous trip circuit breaker			
breaking capacity maximum short-circuit current (Icu)				
• at 240 V	100 kA			
• at 480 V	100 kA			
• at 600 V	25 kA			
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14			

Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:18GUG92WG

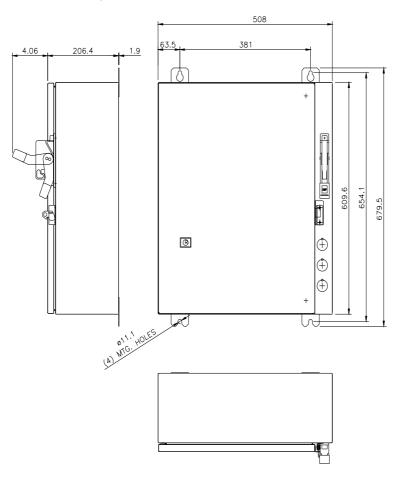
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:18GUG92WG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:18GUG92WG&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:18GUG92WG/certificate



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