SIEMENS

Data sheet

US2:18GUG92XC



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 316 S-Steel, Water/dust tight noncorrosive, Standard width enclosure

Fi	g	ur	e	si	m	il	ar

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; Dual voltage coil				
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]					
 during storage 	-22 +149 °F				
during operation	-4 +104 °F				
ambient temperature					
 during storage 	-30 +65 °C				
during operation	-20 +40 °C				
Horsepower ratings					
yielded mechanical performance [hp] for 3-phase AC motor					
 at 200/208 V rated value 	15 hp				
 at 220/230 V rated value 	20 hp				
 at 460/480 V rated value 	30 hp				
• at 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					
 at AC at 60 Hz rated value 	220 480 V				
holding power at AC minimum	8.6 W				

apparent nick up newer of magnetice'l at AC	210 \/A			
apparent pick-up power of magnet coil at AC	218 VA			
apparent holding power of magnet coil at AC	25 VA			
operating range factor control supply voltage rated value of magnet coil	0.85 1.1			
percental drop-out voltage of magnet coil related to the input voltage	50 %			
ON-delay time	19 29 ms			
OFF-delay time	10 24 ms			
Overload relay				
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)				
 with single-phase operation at AC rated value 	600 V			
 with multi-phase operation at AC rated value 	300 V			
Enclosure				
degree of protection NEMA rating	4X, 304 stainless steel			
design of the housing	dustproof, waterproof & resistant to corrosion			
Circuit Breaker				
	Motor circuit protector (magnetic trip only)			
type of the motor protection	Motor circuit protector (magnetic trip only) 100 A			
type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit	100 A			
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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	100 A 315 1000 A Vertical			
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at AWG cables for auxiliary contacts single or multi- stranded	
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	

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=US2:18GUG92XC

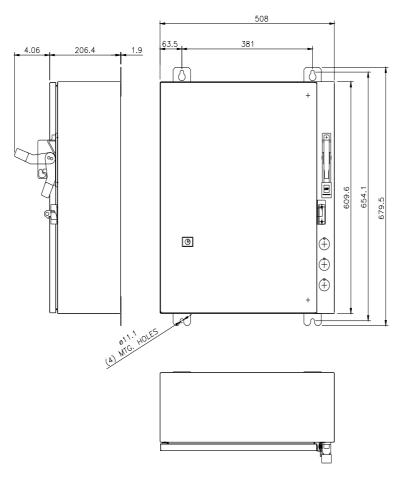
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:18GUG92XC

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:18GUG92XC&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:18GUG92XC/certificate



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