SIEMENS

Data sheet US2:18CUC92NG



Non-reversing motor starter Size 0 Three phase full voltage Solid-state overload relay OLRelay amp range 3-12A 190-220/220-240V 50/60HZ coil Combination type 10Amp circuit breaker Enclosure NEMA type 4/12 Water/dust tight for outdoors Standard width enclosure

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
General technical data	·
Height x Width x Depth [in]	24 × 11 × 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	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	5 hp
● at 575/600 V rated value	5 hp
Contactor	
size of contactor	NEMA controller size 0
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	18 A
mechanical service life (operating 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	8
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 50 Hz rated value 	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	25 VA
operating range factor control supply voltage rated value of	0.85 1.1

magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time 19 2	
voltage ON-delay time 19 2	
	9 ms
OFF-delay time 10 2	4 ms
Overload relay	
product function	
overload protection Yes	
phase failure detection Yes	
asymmetry detection Yes	
• ground fault detection Yes	
• test function Yes	
external reset Yes	
reset function Manua	, automatic and remote
	5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	
make time with automatic start after power failure 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	
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@60	00VAC (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 4, 12	
design of the housing dustpro	oof, waterproof & weatherproof
Circuit Breaker	
type of the motor protection Motor of	circuit protector (magnetic trip only)
operational current of motor circuit breaker rated value 10 A	
adjustable current response value current of instantaneous 30 1 short-circuit trip unit	00 A
Mounting/wiring	
mounting position Vertica	
	e mounting and installation
type of electrical connection for supply voltage line-side Box lug	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	AWG 10 AWG) or 1x (12 AWG 10 AWG)
temperature of the conductor for supply maximum permissible 75 °C	
material of the conductor for supply AL or C	cu cu
type of electrical connection for load-side outgoing feeder Screw-	type terminals
tightening torque [lbf-in] for load-side outgoing feeder 20 2	
	2 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C	
material of the conductor for load-side outgoing feeder AL or C	cu cu
	type terminals
type of electrical connection of magnet coil Screw-	
type of electrical connection of magnet coil Screw- tightening torque [lbf-in] at magnet coil 5 12	
tightening torque [lbf·in] at magnet coil 5 12	12 AWG)
tightening torque [lbf·in] at magnet coil 5 12 type of connectable conductor cross-sections of magnet coil for 2x (16	12 AWG)
tightening torque [lbf-in] at magnet coil 5 12 type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C	12 AWG)
tightening torque [lbf-in] at magnet coil 5 12 type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU	
tightening torque [lbf-in] at magnet coil 5 12 type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU	type terminals

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 for 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
maximum short-circuit current breaking capacity (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

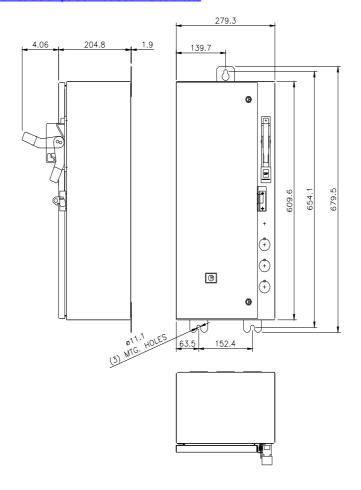
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:18CUC92NG

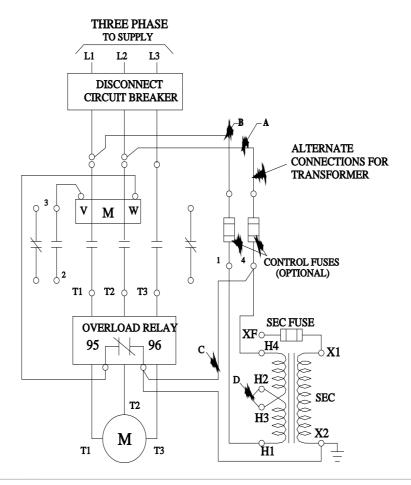
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:18CUC92NG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:18CUC92NG&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:18CUC92NG/certificate





last modified: 1/25/2022 🖸