SIEMENS

Data sheet US2:84CUC95WMF



Duplex starter w/o alternator, Size 0, Three phase full voltage, Solid-state overload relay, OLR amp range 3-12A, 110V 50Hz / 120V 60Hz coil, Combination type, Two 10A circuit breakers, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

product brand name	Class 84
design of the product	Duplex controller with two MCPs without alternator
special product feature	ESP200 overload relay
General technical data	
weight [lb]	70 lb
Height x Width x Depth [in]	34 × 25 × 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
country of origin	USA
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 DC rated value	0 0 V
 at AC at 50 Hz rated value 	110 110 V
at AC at 60 Hz rated value	120 120 V
holding power at AC minimum	8.6 W

apparent holding power of magnet coil at AC 25 VA 0.85 1.1 capparing range factor control supply voltage rated value of onspetic garge factor control supply voltage rated value of onspetic garge factor control supply voltage of magnet coil related to the input voltage of product function • Vereload protection • Ves Vereload protection • Ves		2/2/4
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Voltage OF-delay time OF-delay	magnet coil	
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tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for 20 20 lbf-in 1x (14 2 AWG) 75 °C Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)	•••	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for 2x (14 2 AWG)	, · · · · · · · · · · · · · · · · · · ·	• •
for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for 2x (16 12 AWG)		
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for 2x (16 12 AWG)	for load-side outgoing feeder single or multi-stranded	
type of electrical connection of magnet coil Screw-type terminals tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for 2x (16 12 AWG)		
tightening torque [lbf·in] at magnet coil 5 12 lbf·in type of connectable conductor cross-sections of magnet coil for 2x (16 12 AWG)	material of the conductor for load-side outgoing feeder	AL or CU
type of connectable conductor cross-sections of magnet coil for 2x (16 12 AWG)	type of electrical connection of magnet coil	Screw-type terminals
	tightening torque [lbf·in] at magnet coil	5 12 lbf·in
ATTO GAMES SINGLO I MURI-STRANGO	type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (16 12 AWG)
temperature of the conductor at magnet coil maximum 75 °C permissible	·	75 °C
material of the conductor at magnet coil CU	material of the conductor at magnet coil	CU

type of electrical connection at contactor 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 for 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 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,...)

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:84CUC95WMF

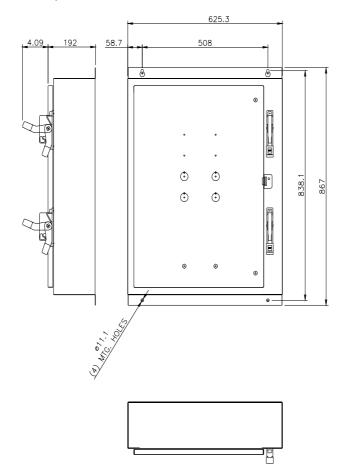
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:84CUC95WMF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84CUC95WMF&lang=en

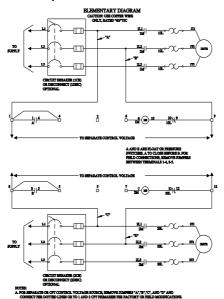
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:84CUC95WMF/certificate



SCHEMATIC DIAGRAM

Class 83 & 84 Duplex W/Manual Alternation Size 0-4



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