SIEMENS

Data sheet

US2:84CUA95BMH



Duplex starter w/o alternator, Size 0, Three phase full voltage, Solid-state overload relay, OLR amp range 0.25-1A, 380-440/440-480V 50/60Hz coil, Combination type, Two 3A circuit breakers, Enclosure NEMA type 1, Indoor general purpose use

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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 	0.17 hp		
 at 220/230 V rated value 	0.17 hp		
 at 460/480 V rated value 	0.33 hp		
 at 575/600 V rated value 	0.5 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 (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	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			

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• At AC at 60 Hz related value 440480 V holding power of magnet coil at AC 218 VA apparent holding power of magnet coil at AC 218 VA apparent holding power of magnet coil at AC 23 VA operating trape feor comot supply voltage rated value 0.8511 of holgie coil 0.9511 Off-foliaty time 1928 ms OFF-delay time 1024 ms Overload protection Yes • approach full detection Yes • external reset Ye	• at DC rated value	00V		
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permissibleAL or CUmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder20 24 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded2x (14 10 AWG)	at AWG cables single or multi-stranded			
type of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder20 24 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded2x (14 10 AWG)	permissible			
tightening torque [lbf-in] for load-side outgoing feeder20 24 lbf-intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded2x (14 10 AWG)	material of the conductor for supply	AL or CU		
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 2x (14 10 AWG)		Screw-type terminals		
cables for load-side outgoing feeder single or multi- stranded				
temperature of the conductor for load-side outgoing feeder 75 °C	cables for load-side outgoing feeder single or multi-	2x (14 10 AWG)		
	temperature of the conductor for load-side outgoing feeder	75 °C		

maximum permissible				
material of the conductor for load-side outgoing feeder	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 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 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=US2:84CUA95BMH Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:84CUA95BMH

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84CUA95BMH&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:84CUA95BMH/certificate

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