SIEMENS

Data sheet

US2:84EUE95BMG



Duplex starter w/o alternator, Size 1 3/4, Three phase full voltage, Solidstate overload relay, OLR amp range 10-40A, 190-220/220-240V 50/60Hz coil, Combination type, Two 40A 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; Half-size controller
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 hp
 at 220/230 V rated value 	0 hp
• at 460/480 V rated value	15 hp
 at 575/600 V rated value 	15 hp
Contactor	
size of contactor	Controller half size 1 3/4
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	40 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	

• at AC at 50 kr zinds value 00 V • at AC at 50 kr zinds value 100220 V • at AC at 50 kr zinds value 220240 V • holding power at AC minimum 8.6 W apparent holding power at magnet coll at AC 218 VA operantial power at magnet coll at AC 25 VA operantial drop-out voltage of magnet coll related to the fight voltage 0.85 1.1 percential drop-out voltage of magnet coll related to the fight voltage 0.85 1.1 OP-F-delay time 10 24 ms Overload protection Yes • asymmetry oldection Yes • asymmetry oldection Yes • astart metry oldection Yes • astart metry oldection Yes • astart metry oldection Yes • astare toreson asymmetry oldection Yes		0 0)/
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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 feeder45 45 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 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 feeder45 45 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)		75 °C
tightening torque [lbf-in] for load-side outgoing feeder45 45 lbf-intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 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 1x (14 2 AWG)	type of electrical connection for load-side outgoing feeder	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-	1x (14 2 AWG)
	temperature of the conductor for load-side outgoing feeder	75 °C

maximum permissible			
material of the conductor for load-side outgoing feeder	AL or 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	t2mlfh=LIS2:84ELIE05BMG		
Service&Support (Manuals, Certificates, Characteristics, FAQs,)			

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:84EUE95BMG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84EUE95BMG&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:84EUE95BMG/certificate

last modified:

1/25/2022 🖸