SIEMENS

Data sheet

US2:84DUD95EMD



Duplex starter w/o alternator, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, 208VAC 60Hz coil, Combination type, Two 25A circuit breakers, Enc NEMA type 4 painted steel, Water/dust tight for outdoors

Figu	re si	milar
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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 	3 hp	
 at 220/230 V rated value 	3 hp	
 at 460/480 V rated value 	10 hp	
 at 575/600 V rated value 	10 hp	
Contactor		
size of contactor	NEMA controller size 1	
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	27 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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type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2 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-	1x (14 2 AWG)
	temperature of the conductor for load-side outgoing feeder	75 °C

Industrial Controls - Product Overview (Catalogs, Brochu www.usa.siemens.com/iccatalog	ıres,)
Further information	
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
• at 600 V	25 kA
● at 480 V	100 kA
• at 240 V	100 kA
breaking capacity maximum short-circuit current (Icu)	
design of the short-circuit trip	Instantaneous trip circuit breaker
Short-circuit current rating	
material of the conductor at overload relay for auxiliary contacts	CU
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi- stranded	2x (20 14 AWG)
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
material of the conductor at contactor for auxiliary contacts	CU
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
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)
tightening torque [lbf-in] at contactor for auxiliary contacts	10 15 lbf·in
type of electrical connection at contactor for auxiliary contacts	Screw-type terminals
material of the conductor at magnet coil	CU
temperature of the conductor at magnet coil maximum permissible	75 °C
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (16 12 AWG)
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
type of electrical connection of magnet coil	Screw-type terminals
material of the conductor for load-side outgoing feeder	AL or CU

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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84DUD95EMD&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:84DUD95EMD/certificate

last modified:

1/25/2022 🖸