SIEMENS

Data sheet

US2:84DUE950ML



Duplex starter w/o alternator, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 240V 50Hz / 277V 60Hz coil, Combination type, Two 30A circuit breakers, Enclosure NEMA type 12, Dust/drip proof for indoors

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	7.5 hp
• at 220/230 V rated value	7.5 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 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 (operating 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 DC rated value 	0 0 V
• at AC at 50 Hz rated value	240 240 V
• at AC at 60 Hz rated value	277 277 V
holding power at AC minimum	8.6 W

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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 magnet coil	0.85 1.1
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 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	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	10 40 A
tripping time at phase-loss 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	1A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
	000 v
	300 \/
with multi-phase operation at AC rated value Enclosure	300 V
• with multi-phase operation at AC rated value	300 V NEMA Type 12
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing	
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure	NEMA Туре 12
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with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker	NEMA Type 12 dustproof and drip-proof for indoor use
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection	NEMA Type 12 dustproof and drip-proof for indoor use Motor circuit protector (magnetic trip only)
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous	NEMA Type 12 dustproof and drip-proof for indoor use Motor circuit protector (magnetic trip only) 30 A
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit	NEMA Type 12 dustproof and drip-proof for indoor use Motor circuit protector (magnetic trip only) 30 A
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring	NEMA Type 12 dustproof and drip-proof for indoor use Motor circuit protector (magnetic trip only) 30 A 80 270 A
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring mounting position	NEMA Type 12 dustproof and drip-proof for indoor use Motor circuit protector (magnetic trip only) 30 A 80 270 A Vertical
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating of the enclosure design of the housing Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring mounting position fastening method	NEMA Type 12 dustproof and drip-proof for indoor use Motor circuit protector (magnetic trip only) 30 A 80 270 A Vertical Surface mounting and installation
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Screw-type terminals
10 15 lbf·in
1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
75 °C
CU
Screw-type terminals
7 10 lbf·in
2x (20 14 AWG)
75 °C
CU
Instantaneous trip circuit breaker
100 kA
100 kA
25 kA
NEMA ICS 2; UL 508; CSA 22.2, No.14

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=US2:84DUE950ML

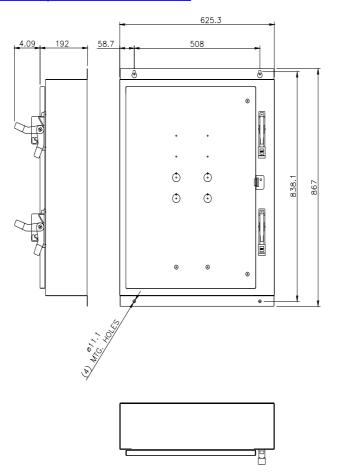
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84DUE950ML&lang=en

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