## SIEMENS

## Data sheet

## US2:84EUE95BDG



Duplex starter w/o alternator Size 1.75 Three phase full voltage Solid-state overload relay OLR amp range 10-40A Combination type Two 60A disconnect switches Enclosure NEMA type 1 Indoor general purpose use

Figure	simil	ar
riguid	3000	ciu

product brand name	Class 84
design of the product	Duplex controller with two non-fusible disconnect switches 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]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
<ul> <li>during operation</li> </ul>	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-30 +65 °C
<ul> <li>during operation</li> </ul>	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
<ul> <li>at 200/208 V rated value</li> </ul>	10 hp
• at 220/230 V rated value	10 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 DC rated value     0 0 V	
• at AC at 50 Hz rated value 190 220 V	
at AC at 60 Hz rated value     220 240 V	
holding power at AC minimum 8.6 W	
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 0.85 1.1 of magnet coil	
percental drop-out voltage of magnet coil related to the 50 % input voltage	
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, automat	ic and remote
	0 (factory set) / 30
adjustable current response value current of the current- 10 40 A	
dependent overload release	
tripping time at phase-loss maximum 3 s	
relative repeat accuracy 1 %	
number of NC contacts of auxiliary contacts of overload 1	
relay	
number of NO contacts of auxiliary contacts of overload 1 relay	
operational current of auxiliary contacts of overload relay	
• at AC at 600 V 5 A	
• at DC at 250 V 1 A	
contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (Be	600), 1A@250VDC (R300)
insulation voltage (Ui)	
• with single-phase operation at AC rated value 600 V	
• with multi-phase operation at AC rated value 300 V	
Disconnect Switch	
response value of switch disconnector 60A / 600V	
design of fuse holder non-fusible	
operating class of the fuse link non-fusible	
Enclosure	
degree of protection NEMA rating of the enclosure NEMA Type 1	
	n a general basis
Mounting/wiring	
mounting position Vertical	and installation
fastening method Surface mounting	g and installation
type of electrical connection for supply voltage line-side Box lug	
tightening torque [lbf·in] for supply 35 35 lbf·in	
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	)
temperature of the conductor for supply maximum 75 °C permissible	
material of the conductor for supply AL or CU	
type of electrical connection for load-side outgoing feeder Screw-type termination	nals
tightening torque [lbf·in] for load-side outgoing feeder 45 45 lbf·in	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2 AWG	)

AL or CU	
Screw-type terminals	
5 12 lbf·in	
2x (16 12 AWG)	
75 °C	
CU	
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	
10kA@600V (Class H or K); 100kA@600V (Class R or J)	
NEMA ICS 2; UL 508; CSA 22.2, No.14	
Further information	
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Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:84EUE95BDG/certificate

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