SIEMENS

Data sheet

US2:84DUD95WDL



Duplex starter w/o alternator Size 1 Three phase full voltage Solid-state overload relay OLR amp range 5.5-22A 240VAC 50Hz / 277VAC 60Hz Coil Combination type Two 30A disconnect switches Encl NEMA type 4X 304 S. Steel Water/dust tight non-corrosive

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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
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	0 0)/
• at DC rated value	00V
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
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
	10 24 115
Overload relay	
product function	N/
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	5.5 22 A
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 relay	1
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 (B600), 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	30A / 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 4x 304 stainless steel enclosure
design of the housing	dustproof, waterproof & resistant to corrosion
Mounting/wiring	
	Vertical
mounting position	
fastening method	Surface mounting 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	1x (14 2 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	AL or CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	1x (14 2 AWG)
temperature of the conductor for load-side outgoing feeder	75 °C

material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil 5 12 lbf-in type of connectable conductor cross-sections of magnet 2x (16 12 AWG) coil at AWG cables single or multi-stranded 75 °C material of the conductor at magnet coil CU type of electrical connection at contactor for auxiliary contacts 10 15 lbf-in type of connectable conductor cross-sections at contactor at AWG cables or auxiliary contacts single or multi-stranded 10 15 lbf-in type of electrical connection at contactor for auxiliary contacts 10 15 lbf-in type of connectable conductor at ontactor for auxiliary contacts 10 15 lbf-in type of electrical connection at contactor for auxiliary contacts 10 15 lbf-in type of connectable conductor at contactor for auxiliary contacts 10 15 lbf-in type of electrical connection at contactor for auxiliary contacts 10 14 AWG), 2x (18 16 AWG) temperature of the conductor at contactor for auxiliary contacts CU type of electrical connection at overload relay for auxiliary contacts CU type of electrical connection at overload relay for auxiliary contacts CU type of electrical connection at overload relay for auxiliary contacts single or multi-stranded Cu	maximum permissible	
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		75 °C
material of the conductor at overload relay for auxiliary CU contacts	, , ,	CU
Short-circuit current rating	hort-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required 10kA@600V (Class H or K); 100kA@600V (Class R or J)	5 I	10kA@600V (Class H or K); 100kA@600V (Class R or J)
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	urther information	
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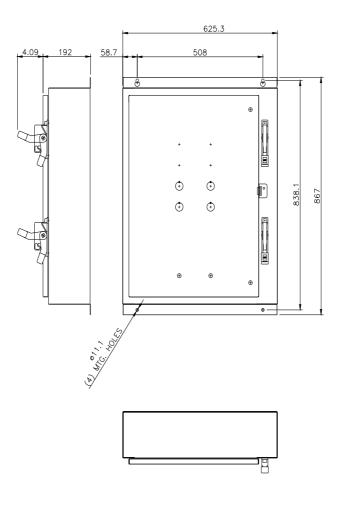
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