SIEMENS

Data sheet

US2:84IUH950DD



Duplex starter w/o alternator Size 3.5 Three phase full voltage Solid-state overload relay OLR amp range 50-200A 208VAC 60Hz Coil Combination type Two 200A disconnect switches Enclosure NEMA type 4/12 Water/dust tight weather proof

Fi	gur	es	im	ilar

Duplex controller with two non-fusible disconnect switches without		
Duplex controller with two non-fusible disconnect switches without alternator		
ESP200 overload relay; Half-size controller		
106 lb		
56 × 29 × 10 in		
NA for enclosed products		
6560 ft		
-22 +149 °F		
-4 +104 °F		
-30 +65 °C		
-20 +40 °C		
USA		
30 hp		
40 hp		
75 hp		
75 hp		
Controller half size 3 1/2		
3		
600 V		
115 A		
500000		
0		
1		
7		
10A@600VAC (A600), 5A@600VDC (P600)		

control supply voltage			
at DC rated value	0 0 V		
• at AC at 50 Hz rated value	0 0 V		
• at AC at 60 Hz rated value	208 208 V		
holding power at AC minimum	14 W		
apparent pick-up power of magnet coil at AC	310 VA		
apparent holding power of magnet coil at AC	26 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	26 41 ms		
OFF-delay time	14 19 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	50 200 A		
tripping time at phase-loss maximum	3 s		
relative repeat accuracy	1 %		
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	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	200A / 600V		
design of fuse holder	non-fusible		
operating class of the fuse link	non-fusible		
Enclosure			
	NEMA Type 12		
degree of protection NEMA rating of the enclosure	NEMA Type 12 dustancef and drin proof for indeer use		
design of the housing	dustproof and drip-proof for indoor use		
Mounting/wiring			
mounting position	Vertical		
fastening method	Surface mounting and installation		
type of electrical connection for supply voltage line-side	Box lug		
tightening torque [lbf·in] for supply	275 275 lbf·in		
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	1x (6 AWG 300 Kcmil)		
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	Box lug		
tightening torque [lbf·in] for load-side outgoing feeder	120 120 lbf·in		
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	1x (14 2/0 AWG)		
temperature of the conductor for load-side outgoing feeder	75 ℃		

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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 fuse link for short-circuit protection of the main circuit required	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			
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?mlfb=US2:84IUH950DD Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:84IUH950DD Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)				
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84IUH950DD⟨=en				

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