SIEMENS

Data sheet US2:17DUD92NF



Non-reversing motor starter, Size 1, Three phase full voltage, Solidstate overload relay, OLRelay amp range 5.5-22a, 110V 50HZ / 120V 60HZ coil, Combination type, 30Amp non-fusible disconnect Enclosure NEMA type 4/12, Water/dust tight for outdoors, Standard width enclosure

Figure similar

General technical data		
Height x Width x Depth [in]	24 × 11 × 8 in	
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	
Ambient temperature [°F] during operation	-4 +104 °F	
Ambient temperature during storage	-30 +65 °C	
Ambient temperature during operation	-20 +40 °C	

orsepower ratings	
/ielded mechanical performance [hp] for three-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

Contacto

Number of NO contacts for main contacts	3
Operating current at AC at 600 V rated value	27 A
Mechanical service life (switching cycles) of the main contacts typical	10000000
Auxiliary contact	
Number of NC contacts at contactor for auxiliary	0
contacts	
Number of NO contacts at contactor for auxiliary	1
contacts	
Number of total auxiliary contacts maximum	8
Contact rating of auxiliary contacts of contactor	10A@600VAC (A600), 5A@600VDC (P600)
according to UL	
Coil	
Type of voltage of the control supply voltage	AC
Control supply voltage	
• at DC rated value	0 0 V
• at AC at 60 Hz rated value	120 120 V
• at AC at 50 Hz rated value	110 110 V
Holding power at AC minimum	8.6 W
Apparent pick-up power of magnet coil at AC	218 V·A
Apparent holding power of magnet coil at AC	25 V·A
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 %
Switch-on delay time	19 29 ms
Off-delay time	10 24 ms
·	10 24 1113
Overload relay	
Product function	
Overload protection	Yes
Phase failure detection	Yes
Phase unbalance	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 pick-up value current of the current- dependent overload release	5.5 22 A
Make time with automatic start after power failure maximum	3 s

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
Operating 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	
 with single-phase operation at AC rated value 	600 V
 with multi-phase operation at AC rated value 	300 V
Disconnect Switch	
Rated response values of switch disconnector	30A / 600V
Design of fuse holder	non-fusible
Operating class of the fuse link	non-fusible
Mounting/wiring	
(mounting position)	vertical
(mounting type)	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 conductors single or multi-stranded	1x (14 2 AWG)
Temperature of the conductor for supply maximum	
permissible	75 °C
	75 °C AL or CU
permissible	
permissible Material of the conductor for supply Type of electrical connection for load-side outgoing	AL or CU
permissible Material of the conductor for supply Type of electrical connection for load-side outgoing feeder Tightening torque [lbf·in] for load-side outgoing	AL or CU Screw-type terminals
permissible Material of the conductor for supply Type of electrical connection for load-side outgoing feeder Tightening torque [lbf·in] for load-side outgoing feeder Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single	AL or CU Screw-type terminals 35 35 lbf·in
permissible Material of the conductor for supply Type of electrical connection for load-side outgoing feeder Tightening torque [lbf·in] for load-side outgoing feeder Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded Temperature of the conductor for load-side outgoing	AL or CU Screw-type terminals 35 35 lbf·in 1x (14 2 AWG)
permissible Material of the conductor for supply Type of electrical connection for load-side outgoing feeder Tightening torque [lbf·in] for load-side outgoing feeder Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded Temperature of the conductor for load-side outgoing feeder maximum permissible Material of the conductor for load-side outgoing	AL or CU Screw-type terminals 35 35 lbf·in 1x (14 2 AWG)

Type of connectable conductor cross-sections of magnet coil at AWG conductors 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 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 conductors 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 conductors 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)

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=US2:17DUD92NF

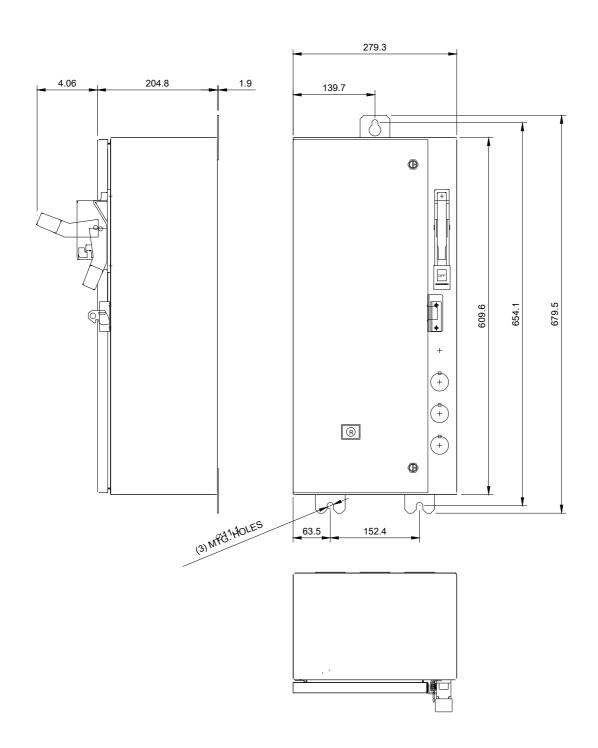
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

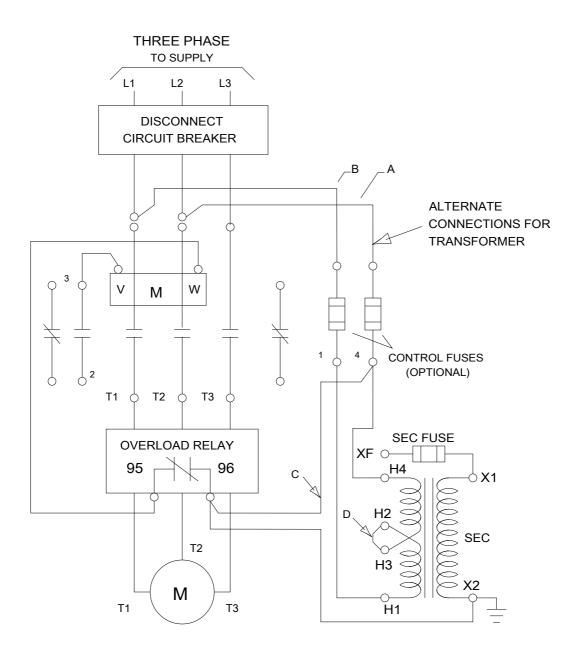
https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD92NF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUD92NF&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD92NF/certificate





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