SIEMENS

Data sheet

US2:17DUD82NF10



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, 110V 50Hz / 120V 60Hz coil, Combination type, 30A fusible disconnect, 30A/250V fuse clip, Enclosure NEMA type 4/12, Water/dust tight for outdoors, Extra-wide enclosure

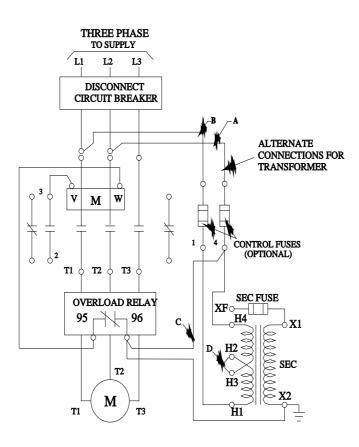
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product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	47 lb
Height x Width x Depth [in]	24 × 20 × 8 in
touch protection 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 	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 (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 AC at 50 Hz rated value 110 V bidling power at AC minimum 8.6 W apparent pick-to power of magnet coil at AC 25 VA apparent pick-to power of magnet coil at AC 25 VA apparent pick-to power of magnet coil at AC 25 VA apparent pick-to power of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of magnet coil elated to the protect directo valuage of the pick value detection Yes • overload protection Yes • overload protection • pisse finalitie detection Yes • overload protection • pisse finalitie detection Yes • overload protection • pisse finalitie detection Yes • overload protection • distation current response value current of the current of the current of the current of pipolities acharteristic distation 3.8 tripping time at phase-toss maximum 3.8 1 read function Yes 1 rundber of NC contacts of overload relay 1 1 rundber of NC cont		440.14	
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	 asymmetry detection 	Yes	
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type of connectable conductor cross-sections at AWG 1x (14 2 AWG) cables for load-side outgoing feeder single or multi-			
	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-		
temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible		75 °C	

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 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=US2:17DUD82NF10				
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