SIEMENS

Data sheet

US2:17DUD82BE11



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, Combination type, 30A fusible disconnect, 30A/600V fuse clip, Enclosure NEMA type 1, Indoor general purpose use, 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 	0 hp
 at 220/230 V rated value 	0 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	

• at AC at 60 Hz rade value 675 600 V holding power of magnet coil at AC 218 VA apparent pick-up power of magnet coil at AC 25 VA operating range factor control supply voltage rated value 0.85 1.1 of magnet coil 0.85 0.1 ON-delay time 19 20 ms OP-reday time 19 20 ms Overload protection Yes • overload protection Yes • asymmetry detection Yes • attental reset Yes • attental reset S 2.2 A • attental reset S 2.2 A • attental reset Yes • attental reset of auxiliary contacts of overload relay • attent response value current of the current-dependent overload relays • attent response value current of the current-dependent overload relay • atto Cataso 0 1% • atto Cataso 0 1%		5501/
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type of electrical connection for load-side outgoing feeder Screw-type terminals	permissible	
		AL or CU
tightening torque [lbf-in] for load-side outgoing feeder 35 35 lbf-in	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)	cables for load-side outgoing feeder single or multi-	1x (14 2 AWG)
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=US2:17DUD82BE11 Service&Support (Manuals, Certificates, Characteristics, FAQs,)		
https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD82BE11		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUD82BE11⟨=en		
Certificates/approvals		
https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD82BE11/certificate		

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