SIEMENS

Data sheet

US2:17FUF82BJ13



Non-reversing motor starter, Size 2, Three phase full voltage, Solid-state overload relay, OLR amp range 13-52A, 24VAC 50-60Hz coil, Combination type, 60A fusible disconnect, 60A/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]	48 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	25 hp	
• at 575/600 V rated value	25 hp	
Contactor		
size of contactor	NEMA controller size 2	
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	45 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	7	
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		

• et AC at 50 Hz rated value 24 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 28 V operant pick-up power of magnet coil at AC 28 V operant pick-up power of magnet coil at AC 28 V operant pick-up power of magnet coil at AC 28 V operating range factor control supply voltage rated value 0.85 1.1 of magnet coil 0.85 1.1 percential drop-out voltage of magnet coil related to the input voltage 19 29 ms OVerload relay 10 24 ms product function Yes • overload protection Yes • symmetry detection Yes • est function Yes reset function Yes trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- 13 52 A relative repeat accuracy 1% product funct 9 aximum adjustable current of auxiliary contacts of overload relay 1 relative repeat accuracy 1% product funct 6 axiliary contacts of overload relay	
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design of fuse holder Class R fuse clips operating class of the fuse link Class R	
operating class of the fuse link Class R	
design of the housing indoors, usable on a general basis	
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 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 75 °C permissible	
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 45 45 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 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 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=US2:17FUF82BJ13				
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17FUF82BJ13				
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17FUF82BJ13⟨=en				
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17FUF82BJ13/certificate				

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