## SIEMENS

## Data sheet

## US2:17DUB82BG11



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 0.75-3.4A, 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]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-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	1.5 hp
• at 575/600 V rated value	2 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     190 220 V       • at AC at 60 Hz rated value     220 240 V       holding power at AC minimum     8.6 W       apparent pick-up 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 1.1       percental drop-out voltage of magnet coil related to the input voltage     0.85 1.1       ON-delay time     19 29 ms       OVerload relay     10 24 ms       product function     Yes       • overload protection     Yes       • ground fault detection     Yes       • asymmetry detection     Yes       • esternal reset     Yes       reset function     Yes       reset function     Yes       total relase     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current-     0.75 3.4 A       dependent overload release     0.75 3.4 A       trapping time at phase-loss maximum     3 s       relative repeat accuracy     1       number of NC contacts of auxiliary contacts of overload relay     1       number of NC contacts of auxiliary contacts of overload relay     5A       operatad ruling of auxiliary contacts of overload relay	
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at DC at 250 V     1 A     contact rating of auxiliary contacts of overload relay     according to UL     insulation voltage (Ui)	
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insulation voltage (Ui)	
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with multi-phase operation at AC rated value     300 V	
Disconnect Switch	
response value of switch disconnector 30A / 600V	
design of fuse holder Class R fuse clips	
operating class of the fuse link Class R Enclosure	
degree of protection NEMA rating 1	
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 Screw-type terminals	
tightening torque [lbf·in] for load-side outgoing feeder 20 24 lbf·in	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 2x (14 10 AWG)	
temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible	

material of the conductor for load-side outgoing feeder	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=US2:17DUB82BG11		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17DUB82BG11		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)		
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUB82BG11⟨=en		
Certificates/approvals		
https://support.industry.siemens.com/cs/US/en/ps/US2:17DUB82BG11/certificate		

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