## SIEMENS

## Data sheet

## US2:17DUD82BH11



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, Extrawide enclosure

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 (operating 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	
<ul> <li>at AC at 50 Hz rated value</li> </ul>	380 440 V
<ul> <li>at AC at 60 Hz rated value</li> </ul>	440 480 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA

apparent holding newer of magnet cell at AC	25 VA
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of	25 VA 0.85 1.1
operating range factor control supply voltage rated value of magnet coil	0.05 1.1
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
<ul> <li>overload protection</li> </ul>	Yes
phase failure detection	Yes
asymmetry detection	Yes
<ul> <li>ground fault detection</li> </ul>	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	5.5 22 A
tripping time at phase-loss maximum	3 s
relative repeat accuracy	1 %
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
operational current of auxiliary contacts of overload relay	5.4
• at AC at 600 V	5 A
• at DC at 250 V	1 A 54@600\/AC (B600\ 14@250\/DC (B300)
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Disconnect Switch	
Disconnect Switch	204 ( 600) (
response value of switch disconnector	30A / 600V Class R fuss slips
response value of switch disconnector design of fuse holder	Class R fuse clips
response value of switch disconnector design of fuse holder operating class of the fuse link	
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure	Class R fuse clips Class R
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing	Class R fuse clips
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring	Class R fuse clips Class R indoors, usable on a general basis
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position	Class R fuse clips Class R indoors, usable on a general basis vertical
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug 35 35 lbf-in
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug
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response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum 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 tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug 35 35 lbf in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf in
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response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C

Industrial Controls - Product Overview (Catalogs, Brochures	
Further information	
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
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)
Short-circuit current rating	
material of the conductor at overload relay for auxiliary contacts	CU
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
material of the conductor at contactor for auxiliary contacts	CU
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)

Industrial Controls - Product Overview (Catalogs, Brochures,...) www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mail.industry.siemens.com/mail/en/us/Catalog/product?mlfb=US2:17DUD82BH11

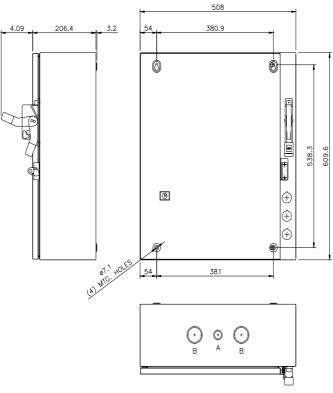
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD82BH11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17DUD82BH11&lang=en

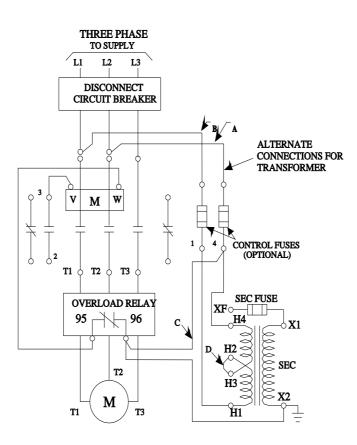
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD82BH11/certificate



CONDUITS TYP. TOP & BOTTOM

		DUIT SIZE
		ø19 CONDUIT
B ø	31.8 &	ø38.1 CONDUIT



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