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Data sheet US2:17CUA82BS

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Figure similar

Non-reversing motor starter, Size 0, Three phase full voltage, Solid-state overload relay, OLRelay amp range 0.25-1a, 24Vdc coil, Combination type, 30Amp non-fusible disconnect Enclosure NEMA type 1, Indoor general purpose use, Extra-wide enclosure

General technical data	
Height x Width x Depth [in]	24 × 20 × 8 in
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
Ambient temperature [°F] during operation	-4 +104 °F
Ambient temperature during storage	-30 +65 °C
Ambient temperature during operation	-20 +40 °C

orsepower ratings	
Yielded mechanical performance [hp] for three-phase	
AC motor	
• at 200/208 V rated value	0.17 hp
• at 220/230 V rated value	0.17 hp
• at 460/480 V rated value	0.33 hp
● at 575/600 V rated value	0.5 hp

Contactor

Number of NO contacts for main contacts	3	
Operating current at AC at 600 V rated value	18 A	
Mechanical service life (switching cycles) of the main contacts typical	1000000	
Auxiliary contact		
Number of NC contacts at contactor for auxiliary	0	
contacts		
Number of NO contacts at contactor for auxiliary	1	
contacts		
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	DC	
Control supply voltage		
• at DC rated value	24 24 V	
• at AC at 60 Hz rated value	0 0 V	
• at AC at 50 Hz rated value	0 0 V	
Holding power at AC minimum	0 W	
Apparent pick-up power of magnet coil at AC	163 V·A	
Apparent holding power of magnet coil at AC	5.5 V·A	
Operating range factor control supply voltage rated value of magnet coil	0.85 1.1	
Percental drop-out voltage of magnet coil related to the input voltage	25 %	
Switch-on delay time	21 21 ms	
Off-delay time	11 11 ms	
Overload relay		
Product function		
Overload protection	Yes	
Phase failure detection	Yes	
Phase unbalance	Yes	
Ground fault detection	Yes	
Test function	Yes	
External reset	Yes	
Reset function	Manual, automatic and remote	
(trip class)	Class 5 / 10 / 20 (factory set) / 30	
Adjustable pick-up value current of the current- dependent overload release	0.25 1 A	
Make time with automatic start after power failure	3 s	
maximum		

Product feature Protective coating on printed-circuit board	Yes	
Number of NC contacts of auxiliary contacts of	1	
overload relay	1	
Number of NO contacts of auxiliary contacts of overload relay	1	
Operating current of auxiliary contacts of overload		
relay	F. A	
• at AC at 600 V	5 A	
• at DC at 250 V	1 A	
Contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)	
Insulation voltage		
 with single-phase operation at AC rated value 	600 V	
• with multi-phase operation at AC rated value	300 V	
Disconnect Switch		
Rated response values of switch disconnector	30A / 600V	
Design of fuse holder	non-fusible	
Operating class of the fuse link	non-fusible	
Mounting/wiring		
(mounting position)	vertical	
(mounting type)	Surface mounting and installation	
	-	
Type of electrical connection for supply voltage line- side	Box lug	
Type of electrical connection for supply voltage line-	-	
Type of electrical connection for supply voltage line- side	Box lug	
Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line-	35 35 lbf-in	
Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum	Box lug 35 35 lbf·in 1x (14 2 AWG)	
Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum permissible	Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C	
Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors 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	Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU	
Type of electrical connection for supply voltage line- side Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors 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	Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals	
Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors 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 Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single	Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf·in	
Type of electrical connection for supply voltage line- side Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors 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 Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded Temperature of the conductor for load-side outgoing	Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)	
Type of electrical connection for supply voltage line- side Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors 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 Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded Temperature of the conductor for load-side outgoing feeder maximum permissible Material of the conductor for load-side outgoing	Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG)	

Type of connectable conductor cross-sections of magnet coil at AWG conductors 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 conductors 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 conductors 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)

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=US2:17CUA82BS

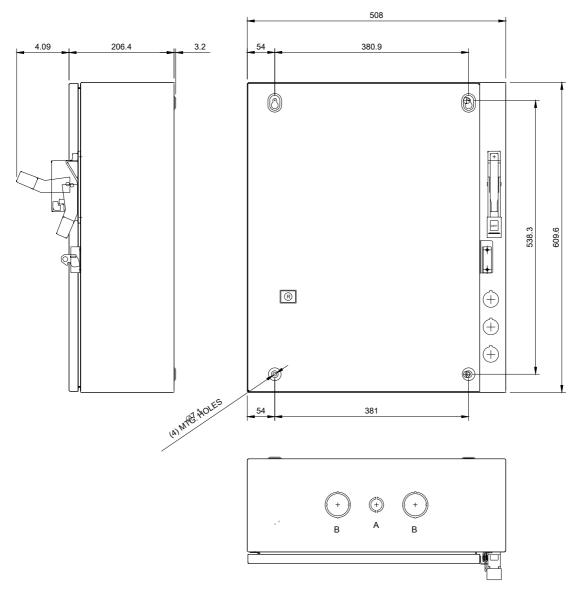
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA82BS

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUA82BS&lang=en

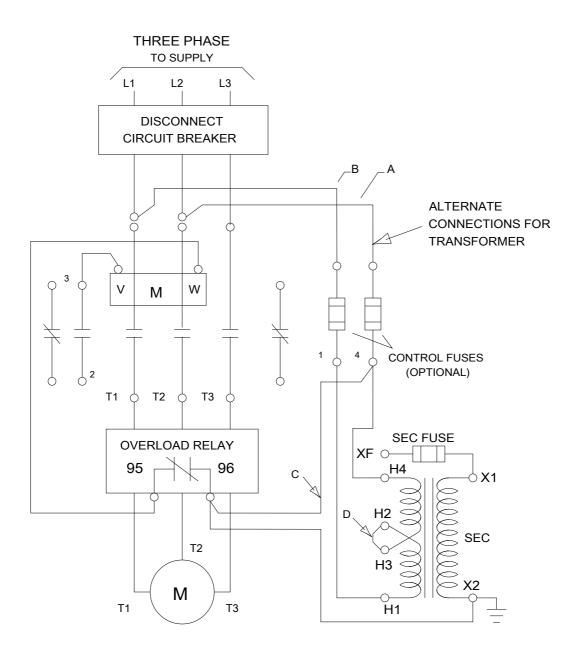
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA82BS/certificate



\LCONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE
Α	%%C12.7 & %%C19 CONDUIT
В	Ø31.8 & Ø38.1 CONDUIT



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