SIEMENS

Data sheet US2:17CUC82XS



Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 3-12A 24Vdc coil Combination type 30Amp non-fusible disconnect Encl NEMA type 4X 316 S-steel Water/dust tight non-corrosive Extra-wide enclosure

Figure similar

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			

lorsepower ratings	
Yielded mechanical performance [hp] for three-phase	
AC motor	
• at 200/208 V rated value	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	5 hp
● at 575/600 V rated value	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	10000000		
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	3 12 A		
	3 12 A		

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		
Operating current of auxiliary contacts of overload relay			
• 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		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf-in] for supply	Surface mounting and installation Box lug 35 35 lbf·in		
(mounting type) Type of electrical connection for supply voltage lineside	Surface mounting and installation Box lug		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line-	Surface mounting and installation Box lug 35 35 lbf·in		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG)		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum permissible	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at lineside 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	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at lineside 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	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at lineside 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	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf·in		
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at lineside 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	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)		
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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		

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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=US2:17CUC82XS

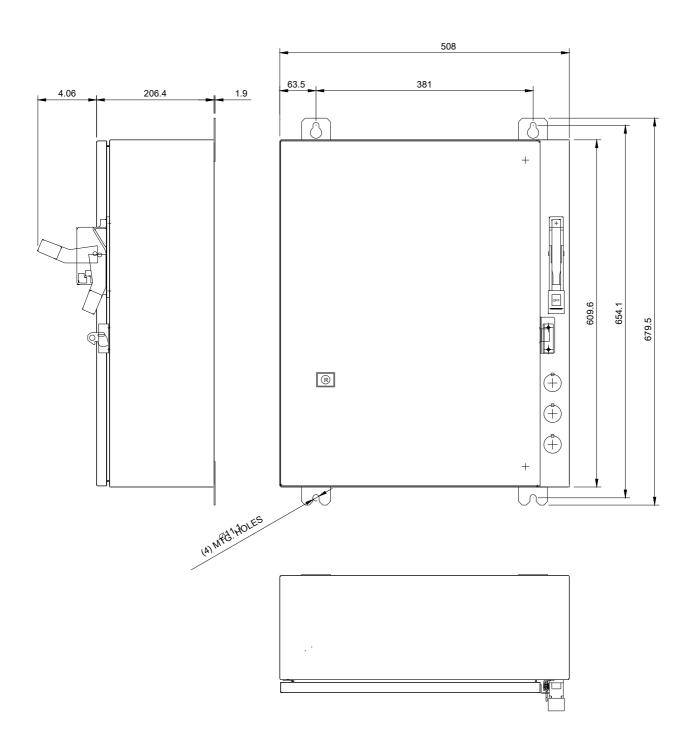
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

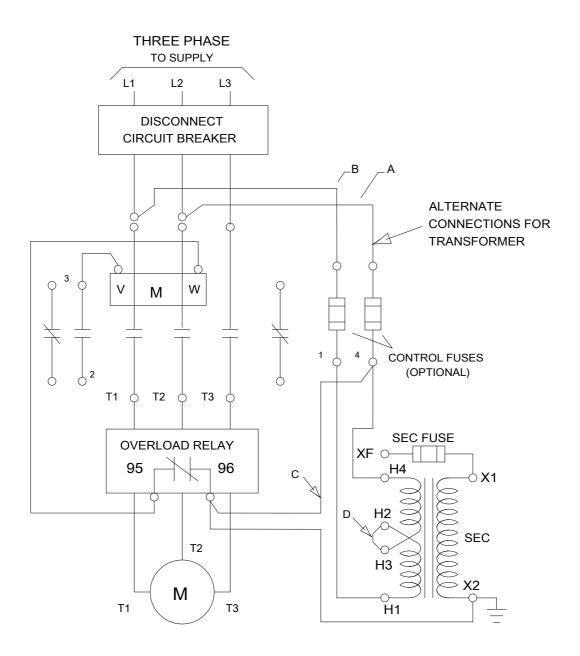
https://support.industry.siemens.com/cs/US/en/ps/US2:17CUC82XS

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUC82XS&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUC82XS/certificate





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