SIEMENS

Data sheet US2:17CUD82XC10



Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 5.5-22A Combination type 30Amp fusible disconnect 30Amp / 250V fuse clip Encl NEMA type 4X 316 S-steel Water/dust tight non-corrosive Extra-wide enclosure

Figure similar

General technical data		
Weight [lb]	48 lb	
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	
Country of origin	USA	

Yielded mechanical performance [hp] for three-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value 0 hp

● at 575/600 V rated value	0 hp
Contactor	
Number of NO contacts for main contacts	3
Operating voltage for main current circuit at AC at 60 Hz maximum	600 V
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 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 DC rated value	0 0 V
• at AC at 60 Hz rated value	220 480 V
• at AC at 50 Hz rated value	0 0 V
Holding power at AC minimum	8.6 W
Apparent pick-up power of magnet coil at AC	218 V·A
Apparent holding power of magnet coil at AC	25 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	50 %
Switch-on delay time	19 29 ms
Off-delay time	10 24 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-	5.5 22 A
dependent overload release	5.5 ZZ A
Trip time at phase-loss maximum	3 s
Relative repeat accuracy	1 %
Product feature Protective coating on printed-circuit	Yes
board	
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 / 250V
Design of fuse holder	Class R fuse clips
Operating class of the fuse link	Class R
Enclosure	
Degree of protection NEMA rating of the enclosure	NEMA 4X 316 stainless steel enclosure
Design of the housing	Dust-tight, watertight & corrosion resistant
Mounting/wiring	
(mounting position)	vertical
(mounting type)	Surface mounting and installation
Type of electrical connection for supply voltage lineside	Box lug
Tightening torque [lbf·in] for supply	35 35 lbf·in
Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded	1x (14 2 AWG)
Temperature of the conductor for supply maximum	75 °C
permissible	
permissible Material of the conductor for supply	AL or CU
	AL or CU Screw-type terminals
Material of the conductor for supply Type of electrical connection for load-side outgoing	

Temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
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 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)

 $\underline{\text{https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17CUD82XC10}}\\$

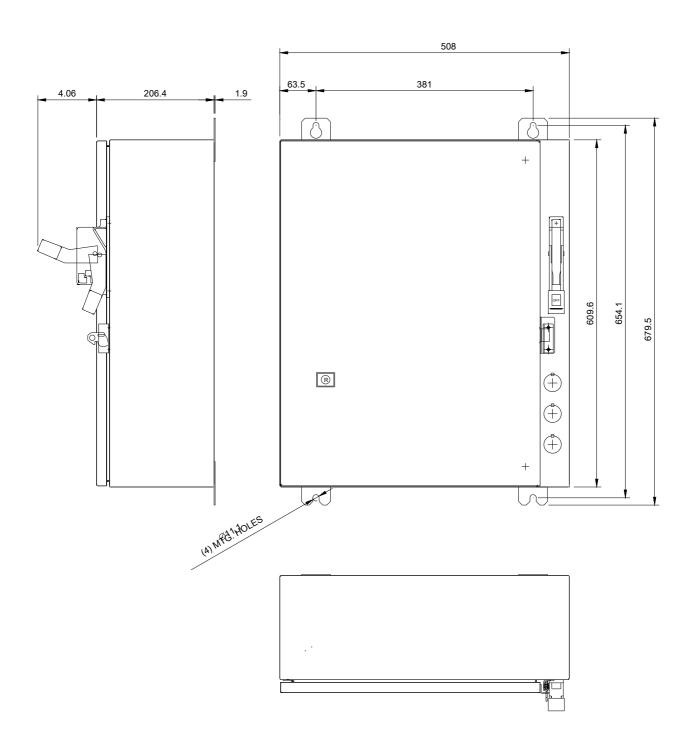
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

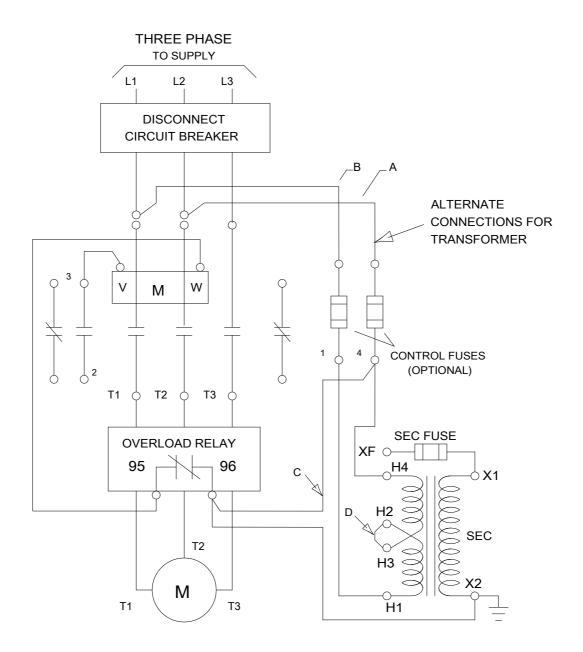
https://support.industry.siemens.com/cs/US/en/ps/US2:17CUD82XC10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUD82XC10&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUD82XC10/certificate





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