## **SIEMENS**

Data sheet US2:17CUA92XF



Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 0.25-1A 110VAC 50HZ / 120VAC 60HZ coil Combination type 30Amp non-fusible disconnect Encl NEMA type 4X 316 S-steel Water/dust tight non-corrosive Standard width enclosure

Figure similar

General technical data		
Height x Width x Depth [in]	24 × 11 × 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	

Horsepower 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	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	AC
Control supply voltage	
• at DC rated value	0 0 V
<ul> <li>at AC at 60 Hz rated value</li> </ul>	120 120 V
• at AC at 50 Hz rated value	110 110 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 pietrus value current of the current	
Adjustable pick-up value current of the current- dependent overload release	0.25 1 A
	0.25 1 A 3 s

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	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	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
	35 35 lbf·in
side	
side  Tightening torque [lbf·in] for supply  Type of connectable conductor cross-sections at line-	35 35 lbf·in
side 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	35 35 lbf·in 1x (14 2 AWG)
side 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	35 35 lbf·in 1x (14 2 AWG) 75 °C
side 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	35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU
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	35 35 lbf·in 1x (14 2 AWG)  75 °C  AL or CU  Screw-type terminals
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	35 35 lbf·in 1x (14 2 AWG)  75 °C  AL or CU Screw-type terminals  20 24 lbf·in
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	35 35 lbf·in 1x (14 2 AWG)  75 °C  AL or CU Screw-type terminals  20 24 lbf·in  2x (14 10 AWG)
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	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-	2x (16 12 AWG)
stranded	
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=US2:17CUA92XF

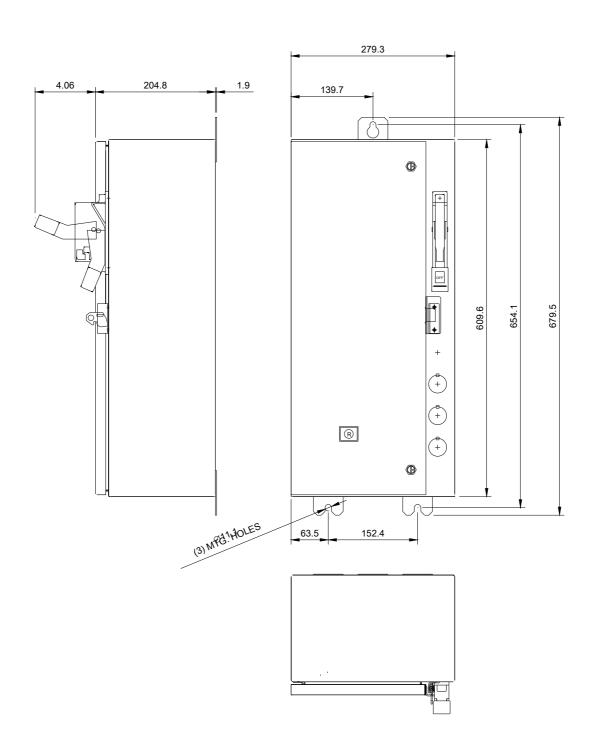
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

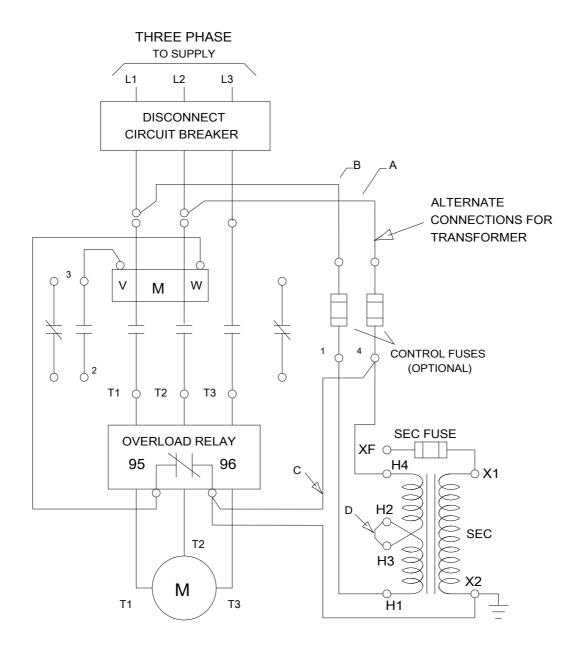
https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA92XF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17CUA92XF&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA92XF/certificate





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