## **SIEMENS**

## Data sheet

## US2:17CUA92XJ10



Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 0.25-1A 24VAC 50-60HZ coil Combination type 30Amp fusible disconnect 30Amp / 250V fuse clip Encl NEMA type 4X 316 S-steel Water/dust tight non-corrosive Standard width enclosure

Figure similar

General technical data		
Weight [lb]	34 lb	
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	
Country of origin	USA	
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 hp	

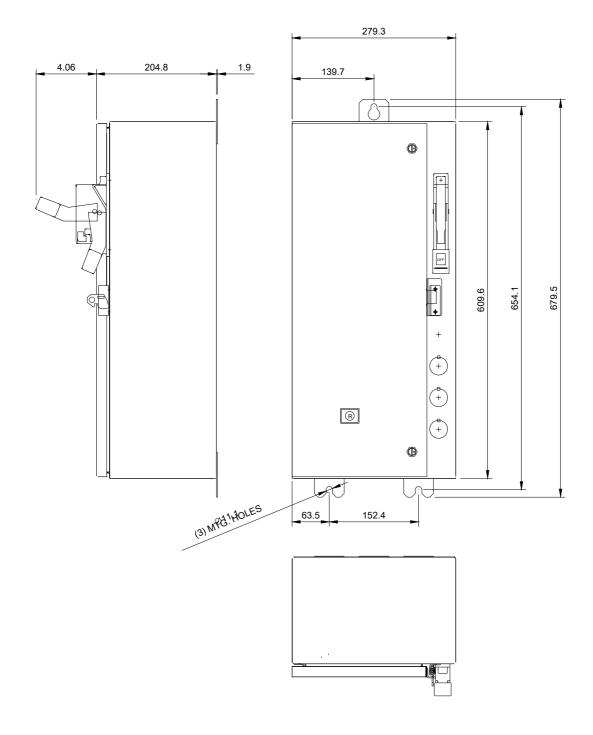
• at 575/600 V	rated value
----------------	-------------

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	1000000
contacts typical	
Auxiliary contact	
Number of NC contacts at contactor for auxiliary	0
contacts	
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	24 24 V
• at AC at 50 Hz rated value	24 24 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
<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 pick-up value current of the current- dependent overload release	0.25 1 A
Trip 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
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 / 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 line- side	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 permissible	75 °C
Material of the conductor for supply	AL or CU
Type of electrical connection for load-side outgoing feeder	Screw-type terminals
Tightening torque [lbf-in] for load-side outgoing feeder	20 24 lbf·in
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	2x (14 10 AWG)

Temperature of the conductor for load-side outgoing feeder       75 °C         Material of the conductor for load-side outgoing feeder       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       2x (16 12 AWG)         Temperature of the conductor at magnet coil       75 °C         Temperature of the conductor at magnet coil       75 °C         Material of the conductor at magnet coil       75 °C         Temperature of the conductor at magnet coil       75 °C         Material of the conductor at magnet coil       75 °C         Tightening torque [lbf-in] at contactor for auxiliary contacts       Screw-type terminals         Tightening torque [lbf-in] at contactor for auxiliary contacts       10 15 lbf-in         Type of connectable conductor sfor auxiliary contacts       1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)         Type of connectable conductor for auxiliary contacts       75 °C         Single or multi-stranded       75 °C         Type of electrical connection for auxiliary contacts       75 °C         Type of electrical connector for auxiliary contacts       75 °C         Type of electrical connection at overload relay for auxiliary contacts       71 10 lbf-in         <		
feeder       Screw-type terminals         Type of electrical connection of magnet coil       5 12 lbf in         Type of connectable conductor cross-sections of magnet coil a 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 rightening torque [lbf-in] at contactor for auxiliary contacts       CU         Type of connectable conductor cross-sections at contactor for auxiliary contacts       Screw-type terminals         Tightening torque [lbf-in] at contactor for auxiliary contacts       Screw-type terminals         Type of connectable conductor at contactor for auxiliary contacts single or multi-stranded       10 15 lbf in         Toppe of the conductor at contactor for auxiliary contacts       75 °C         Single or multi-stranded       75 °C         Temperature of the conductor at contactor for auxiliary contacts       10 15 lbf in         Toppe of electrical connection at outper perminals       CU         Contacts       CU         Type of electrical connection at overload relay for auxiliary contacts       75 °C         Type of connectable conductor cross-sections at overload relay for auxiliary contacts       7 10 lbf in         Type of connectable conductor sections at overload relay for auxiliary contacts       75 °C         Type of connectable conductor at overload		75 °C
Tightening torque [lbf in] at magnet coil5 12 lbf inType of connectable conductor cross-sections of magnet coil at AWG conductors single or multi- stranded2x (16 12 AWG)Temperature of the conductor at magnet coilCUMaterial of the conductor at magnet coilCUType of electrical connection for auxiliary contactsScrew-type terminalsTightening torque [lbf in] at contactor for auxiliary contacts10 15 lbf inType of connectable conductor at maximury contacts10 15 lbf inType of connectable conductor cross-sections at contactor for auxiliary contacts1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Type of connectable conductor at contactor for auxiliary contacts75 °CType of electrical connection at auxiliary contacts75 °CType of electrical connection at contactor for auxiliary contacts75 °CType of electrical connection at overload relay for auxiliary contacts75 °CType of electrical connection at overload relay for auxiliary contacts70 °CTightening torque [lbf in] at overload relay for auxiliary contacts71 °CTightening torque [lbf in] at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts maximum permissible2x (20 14 AWG)Type of the conductor at overload relay for auxiliary contacts75 °CTightening torque [lbf in] at overload relay for auxiliary contacts75 °CType of connectable conductor at overload relay for auxiliary contacts75 °CType of connectable conductor at overload relay for auxiliary contacts <td>of the conductor for load-side outgoing</td> <td>CU</td>	of the conductor for load-side outgoing	CU
Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi- stranded2x (16 12 AWG)Temperature of the conductor at magnet coil maximum permissible75 °CMaterial of the conductor at magnet coilCUType of electrical connection for auxiliary contactsScrew-type terminalsTightening torque [lbf-in] at contactor for auxiliary contacts10 15 lbf-inType of connectable conductor at contactor for auxiliary contacts single or multi-stranded1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Temperature of the conductor at contactor for auxiliary contactsCUStorek-type terminalsCUType of electrical connection at overload relay for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contactsCUType of connectable conductor cross-sections at contactsCUType of electrical connection at overload relay for auxiliary contacts7 10 lbf-inType of connectable conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts25 °CType of connectable conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts25 °CType of connectable conductor at overload relay for auxiliary contacts75 °CShort-circuit current ratingCU	ectrical connection of magnet coil	Screw-type terminals
magnet coil at AWG conductors single or multi- stranded75 °CTemperature of the conductor at magnet coil maximum permissible75 °CMaterial of the conductor at magnet coilCUType of electrical connection for auxiliary contactsScrew-type terminalsTightening torque [lbf-in] at contactor for auxiliary contacts10 15 lbf-inType of connectable conductor cross-sections at contacts and the conductor at contactor for auxiliary contacts and the conductor at contactor for auxiliary contacts maximum permissible1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Temperature of the conductor at contactor for auxiliary contacts axiliary contactsCUType of electrical connection at overload relay for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsType of connectable conductor cross-sections at contactsCUType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsType of electrical connection at overload relay for auxiliary contacts7 10 lbf-inType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts and relay for auxiliary contacts and relay of rouxiliary contacts maximum permissible75 °CMaterial of the conductor at overload relay for auxiliary contacts75 °CType of connectable conductor at overload relay for auxiliary contacts75 °CType of connectable conductor at overload relay for auxiliary contacts75 °CTumperature of the conductor at overload relay for auxiliary conta	ig torque [lbf·in] at magnet coil	5 12 lbf·in
maximum permissibleCUMaterial of the conductor at magnet coilCUType of electrical connection for auxiliary contactsScrew-type terminalsTightening torque [lbf·in] at contactor for auxiliary contacts10 15 lbf·inType of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Temperature of the conductor at contactor for auxiliary contacts maximum permissible75 °CMaterial of the conductor at contactor for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsTightening torque [lbf·in] at overload relay for auxiliary contacts7 10 lbf·inType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts75 °CTightening torque [lbf·in] at overload relay for auxiliary contacts75 °CType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts75 °CMaterial of the conductor at overload relay for auxiliary contacts maximum permissibleCUMaterial of the conductor at overload relay for auxiliary contactsCUShort-circuit current ratingCU	coil at AWG conductors single or multi-	2x (16 12 AWG)
Type of electrical connection for auxiliary contactsScrew-type terminalsTightening torque [lbf in] at contactor for auxiliary contacts10 15 lbf inType of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Temperature of the conductor at contactor for auxiliary contacts maximum permissible75 °CMaterial of the conductor at contactor for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contacts7 10 lbf inType of connectable conductor ross-sections at overload relay at AWG conductors for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts75 °CType of connectable conductor at overload relay for auxiliary contacts7 10 lbf inType of connectable conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of the conductor at overload relay for auxiliary contacts maximum permissible75 °CMaterial of the conductor at overload relay for auxiliary contacts maximum permissible2x (20 14 AWG)Material of the conductor at overload relay for auxiliary contacts75 °CCuCuCu	-	75 °C
Tightening torque [lbf:in] at contactor for auxiliary contacts10 15 lbf inType of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Temperature of the conductor at contactor for auxiliary contacts maximum permissible75 °CMaterial of the conductor at contactor for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsTightening torque [lbf:in] at overload relay for auxiliary contacts single or multi-stranded7 10 lbf inType of connectable conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts ingle or multi-strandedCUTemperature of the conductor at overload relay for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts maximum permissibleCUMaterial of the conductor at overload relay for auxiliary contacts maximum permissibleCUMaterial of the conductor at overload relay for auxiliary contactsCUCultor auxiliary contactsCUShort-circuit current ratingCU	of the conductor at magnet coil	CU
contactsType of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)Temperature of the conductor at contactor for auxiliary contacts maximum permissible75 °CMaterial of the conductor at contactor for auxiliary contacts75 °CType of electrical connection at overload relay for auxiliary contactsCUTightening torque [lbf-in] at overload relay for auxiliary contactsScrew-type terminalsType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts2x (20 14 AWG)Type of connectable conductor at overload relay for auxiliary contacts for auxiliary contacts single or multi-stranded75 °CTemperature of the conductor at overload relay for auxiliary contactsCUMaterial of the conductor at overload relay for auxiliary contacts maximum permissible75 °CMaterial of the conductor at overload relay for auxiliary contactsCUShort-circuit current ratingCU	electrical connection for auxiliary contacts	Screw-type terminals
contactor at AWG conductors for auxiliary contacts single or multi-stranded75 °CTemperature of the conductor at contactor for auxiliary contacts maximum permissible75 °CMaterial of the conductor at contactor for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsTightening torque [lbf·in] at overload relay for auxiliary contacts7 10 lbf·inType of connectable conductor ross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts maximum permissible75 °CMaterial of the conductor at overload relay for auxiliary contacts for auxiliary contacts single or multi-stranded75 °CTemperature of the conductor at overload relay for auxiliary contacts maximum permissible2x (20 14 AWG)Material of the conductor at overload relay for auxiliary contacts75 °CShort-circuit current ratingCU	ig torque [lbf·in] at contactor for auxiliary	10 15 lbf·in
auxiliary contacts maximum permissibleCUMaterial of the conductor at contactor for auxiliary contactsCUType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsTightening torque [lbf·in] at overload relay for auxiliary contacts7 10 lbf·inType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts75 °CMaterial of the conductor at overload relay for auxiliary contactsCUMaterial of the conductor at overload relay for auxiliary contactsCUSchort-circuit current ratingCU	r at AWG conductors for auxiliary contacts	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
contactsScrew-type terminalsType of electrical connection at overload relay for auxiliary contactsScrew-type terminalsTightening torque [lbf·in] at overload relay for auxiliary contacts7 10 lbf·inType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts75 °CMaterial of the conductor at overload relay for auxiliary contactsCUShort-circuit current ratingScrew-type terminals		75 °C
auxiliary contactsTightening torque [lbf·in] at overload relay for auxiliary contacts7 10 lbf·inType of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts75 °CMaterial of the conductor at overload relay for auxiliary contactsCUShort-circuit current ratingShort-circuit current rating	of the conductor at contactor for auxiliary	CU
auxiliary contacts2x (20 14 AWG)Type of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded2x (20 14 AWG)Temperature of the conductor at overload relay for auxiliary contacts maximum permissible75 °CMaterial of the conductor at overload relay for auxiliary contactsCUShort-circuit current ratingCU		Screw-type terminals
overload relay at AWG conductors for auxiliary contacts single or multi-stranded75 °CTemperature of the conductor at overload relay for auxiliary contacts maximum permissible75 °CMaterial of the conductor at overload relay for auxiliary contactsCUShort-circuit current ratingCU		7 10 lbf∙in
auxiliary contacts maximum permissible Material of the conductor at overload relay for auxiliary contacts Short-circuit current rating	relay at AWG conductors for auxiliary	2x (20 14 AWG)
auxiliary contacts Short-circuit current rating		75 °C
		CU
	uit current rating	
Design of the fuse link for short-circuit protection of 10kA@600V (Class H or K); 100kA@600V (Class R or J) the main circuit required		10kA@600V (Class H or K); 100kA@600V (Class R or J)
-urther 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=US2:17CUA92XJ10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://upport.industry.siemens.com/mall/en/us/2127CUA92X10		
https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA92XJ10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUA92XJ10⟨=en		
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA92XJ10/certificate		
ntps://support.industrytalements.com/ca/co/chipa/002.11/00/haz/t010/ce/tilloate		





D68782001

last modified:

05/08/2019