## **SIEMENS**

Data sheet US2:17CUA92XA



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

Figure similar

Product brand name	Class 17 & 25
Design of the product	Non-reversing motor starter with non-fusible disconnect
Special product feature	ESP200 overload relay; Dual voltage coil

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]	
<ul> <li>during storage maximum</li> </ul>	149 °F
<ul> <li>during operation maximum</li> </ul>	104 °F
Ambient temperature	
<ul> <li>during storage maximum</li> </ul>	65 °C
<ul> <li>during operation maximum</li> </ul>	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	
Size of contactor	NEMA controller size 0
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	

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	10A@600VAC (A600), 5A@600VDC (P600)
according to UL	

Coil	
Type of voltage of the control supply voltage	AC
Control supply voltage	
• at AC at 60 Hz rated value	110 240 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	50 %
the input voltage	
Switch-on delay time	19 29 ms
Off-delay time	10 24 ms

Overload relay	
Product function	
<ul> <li>Overload protection</li> </ul>	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
Make time with automatic start after power failure 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
• 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 lineside	Box lug

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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 maximum permissible	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 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	10kA@600V (Class H or K); 100kA@600V (Class R or J)
the main circuit required	
Certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14

## Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

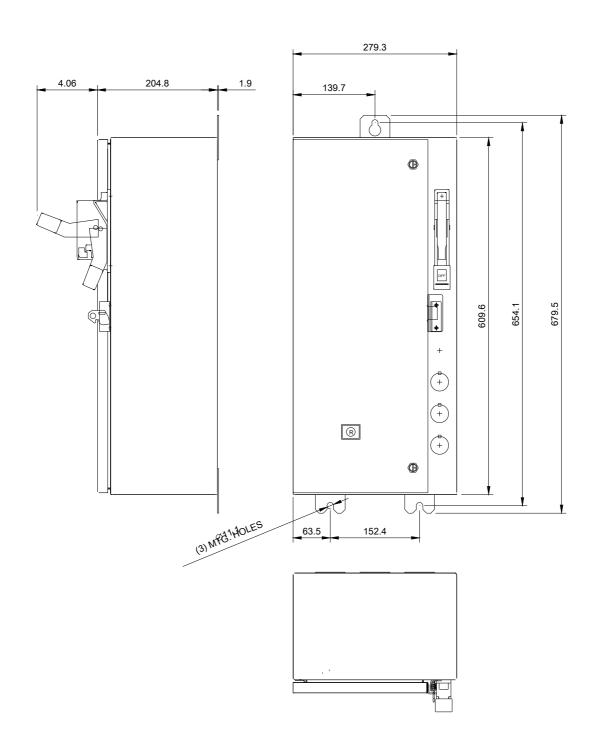
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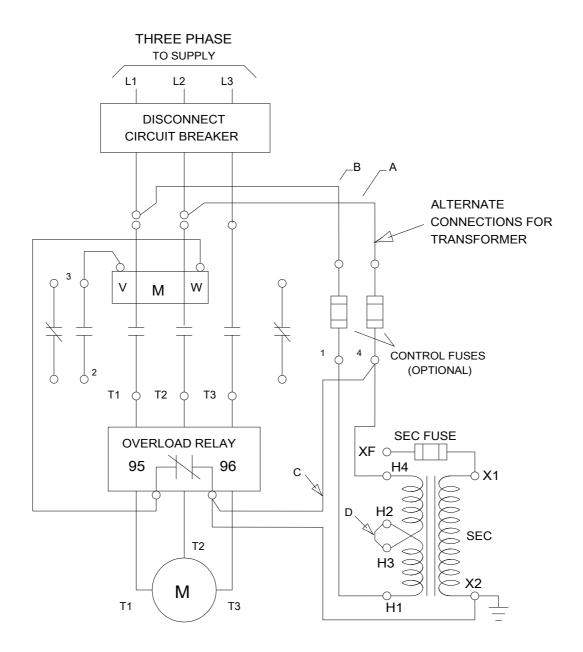
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17CUA92XA

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA92XA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17CUA92XA&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17CUA92XA&lang=en</a>

Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA92XA/certificate





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**last modified:** 11/15/2019