## **SIEMENS**

## Data sheet

## US2:17CUA82XA10

Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 0.25-1A 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
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

Contactor       3         Oparating voltage for main contacts       3         Oparating voltage for main current circuit at AC at 60       4         Iz maximu       600 V         Operating current at AC at 600 V rated value       18 A         Mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         Number of NC contacts at contactor for auxiliary contacts       0         Contact sation of NC contacts at contactor for auxiliary contacts       1         Contact rating of auxiliary contacts discontactor according to UL       0A@600VAC (A600), 5A@600VDC (P600)         Cold       1       10A@600VAC (A600), 5A@600VDC (P600)         Contact rating of auxiliary contacts of contactor according to UL       0A@600VAC (A600), 5A@600VDC (P600)         Cold       1       0 0 V         * at DC rated value       0 0 V       • at AC at 50 Hz rated value         * at DC rated value       0 0 V       • at AC at 50 Hz rated value       0 0 V         * at DC rated value       0 0 V       • at AC at 50 Hz rated value       0 0 V         * at C at 50 Hz rated value       0 0 V       • at AC at 50 Hz rated value       0 0 V         Paparent pick-up power of magnet coil at AC       25 VA       0Perating range factor control supply	• at 575/600 V rated value	0 hp
Operating voltage for main current circuit at AC at 60       600 V         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       10000000         Auxiliary contact       0         Number of NC contacts at contactor for auxiliary contacts       0         Contact stain of NO contacts at contactor for auxiliary contacts of contactor according to UL       1         Context strain of auxiliary contacts of contactor according to UL       8         Context strain of auxiliary contacts of contactor according to UL       0         Context strain of auxiliary contacts of contactor according to UL       0         Context strain of auxiliary contacts of contactor according to UL       0         Context strain of auxiliary contacts of contactor according to UL       0         Control supply voltage       AC         Control supply voltage       0         • at DC rated value       0         • at AC at 50 Hz rated value       0         • at AC at 50 Hz rated value       0         • at AC at 50 Hz rated value       218 VA         Operating range factor control supply voltage rated value       0.85 m 1.1         Precental drop-out voltage of magnet coil related to the input voltage       0%	Contactor	
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• Phase unbalance     Yes       • Ground fault detection     Yes       • Test function     Yes       • External reset     Yes       Reset function     Manual, automatic and remote	<ul> <li>Overload protection</li> </ul>	Yes
• Ground fault detection     Yes       • Test function     Yes       • External reset     Yes       Reset function     Manual, automatic and remote	Phase failure detection	Yes
• Test function     Yes       • External reset     Yes       Reset function     Manual, automatic and remote	Phase unbalance	Yes
External reset Yes Reset function Manual, automatic and remote	<ul> <li>Ground fault detection</li> </ul>	Yes
Reset function Manual, automatic and remote	Test function	Yes
	External reset	Yes
(trip class) Class 5 / 10 / 20 (factory set) / 30	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 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 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=US2:17CUA82XA10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA82XA10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUA82XA10&IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					
			Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17CUA	.82XA10/certificate	





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