SIEMENS

Data sheet

US2:17CUC82XA10

Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 3-12A 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	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	0 hp

• at 575/600 V rated value

0 hp

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• Test function Yes • External reset Yes Reset function Manual, automatic and remote	Phase unbalance	Yes
External reset Yes Reset function Manual, automatic and remote	 Ground fault detection 	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	3 12 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	
 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 Class R
Operating class of the fuse link	
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 20 lbf-in
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	1x (14 2 AWG)

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)				
- 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=US2:17CUC82XA10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17CUC82XA10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUC82XA10&IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					





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