## **SIEMENS**

## Data sheet

## US2:17CP82WA1181

Non-reversing motor starter Size 0 Three phase full voltage Amb compensate bimetal OLrelay Contactor amp rating 18Amp 110-120/220-240VAC 60HZ coil Combination type 30Amp fusible disconnect 30 Amp /600V fuse clip Encl NEMA type 4X 304 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 hp
• at 220/230 V rated value	0 hp
• at 460/480 V rated value	5 hp

• at 575/600 V rated value

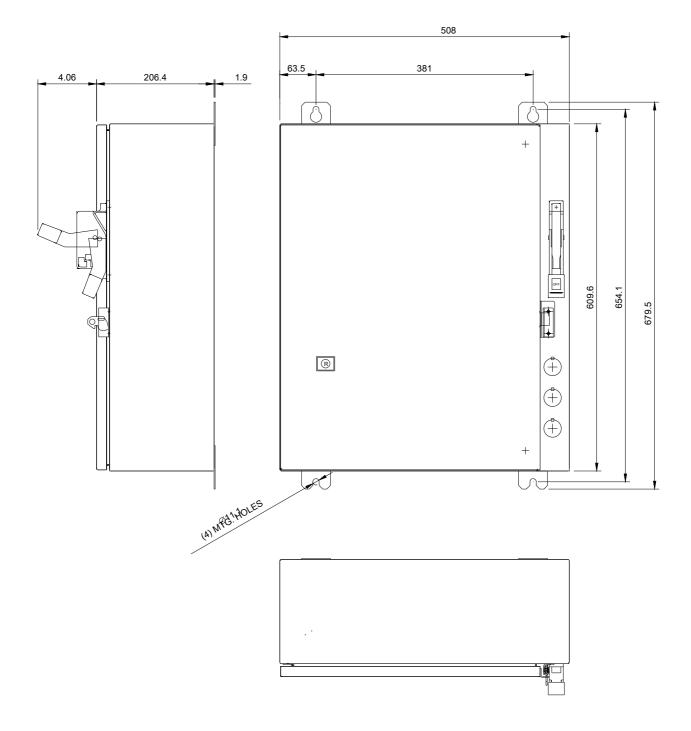
5 hp

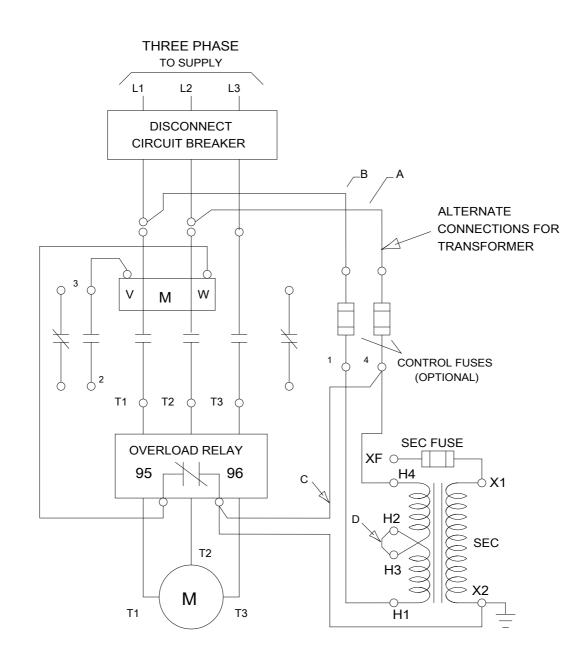
<ul> <li>at 575/600 V rated value</li> </ul>	5 hp
Contactor	
Number of NO contacts for main contacts	3
Operating voltage for main current circuit at AC at 60 Hz maximum	600 V
Operating current at AC at 600 V rated value	18 A
Mechanical service life (switching cycles) of the main contacts typical	1000000
Auxiliary contact	
Number of NC contacts at contactor for auxiliary contacts	0
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	110 240 V
• at AC at 50 Hz rated value	0 0 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	
<ul> <li>Overload protection</li> </ul>	Yes
• Test function	Yes
External reset	Yes
Reset function	Manual and automatic
Adjustment range of thermal overload trip unit	0.85 1.15
Number of NC contacts of auxiliary contacts of overload relay	1
Number of NO contacts of auxiliary contacts of overload relay	0

Operating current of auxiliary contacts of overload relay	
● at AC at 600 V	10 A
● at DC at 250 V	5 A
Contact rating of auxiliary contacts of overload relay according to UL	10A@600VAC (A600), 5A@250VDC (P300)
Disconnect Switch	
Rated response values of switch disconnector	30A / 600V
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 304 stainless steel enclosure
Design of the housing	Dust-tight, watertight & corrosion resistant
Mounting/wiring	
Mounting/wiring (mounting position)	vertical
(mounting type)	Surface mounting and installation
Type of electrical connection for supply voltage line-	Box lug
side	box lug
Tightening torque [lbf-in] for supply	35 35 lbf in
Type of connectable conductor cross-sections at line-	1x (14 2 AWG)
side at AWG conductors single or multi-stranded	
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	35 50 lbf·in
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	CU	
contacts		
Type of electrical connection at overload relay for	Screw-type terminals	
auxiliary contacts		
Tightening torque [lbf in] at overload relay for	5 12 lbf·in	
auxiliary contacts		
Type of connectable conductor cross-sections at	2x (16 12 AWG)	
overload relay at AWG conductors for auxiliary		
contacts single or multi-stranded		
Temperature of the conductor at overload relay for	75 °C	
auxiliary contacts maximum permissible		
Material of the conductor at overload relay for	CU	
auxiliary contacts		
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		
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=US2:17CP82WA1181		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17CP82WA1181		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CP82WA1181⟨=en		
Certificates/approvals		

Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17CP82WA1181/certificate





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