# **SIEMENS**

## Data sheet

### US2:18CUD92XF



Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 5.5-22A 110V 50HZ / 120V 60HZ coil Combination type 25Amp circuit breaker Encl NEMA type 4X 316 S-steel Water/dust tight noncorrosive Standard width enclosure

Figure similar

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] 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
Horsepower ratings	
Yielded mechanical performance [hp] for three-phase	
AC motor	
• at 200/208 V rated value	3 hp
• at 220/230 V rated value	3 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 hp
Contactor	

Toperating 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       Number of NC contacts at contactor for auxiliary contacts     1       Number of NC contacts at contactor for auxiliary contacts     1       Number of NC contacts at contactor for auxiliary contacts     1       Number of NC contacts of contacts at contactor according to U.     10A@600VAC (A600), 5A@600VDC (P600)       Control supply voltage     AC       Control supply voltage     AC       Control supply voltage     0       • at AC at 50 Hz rated value     0       • at AC at 50 Hz rated value     10       • at AC at 50 Hz rated value     10       • at AC at 50 Hz rated value     10       • at AC at 50 Hz rated value     218 VA       Apparent pickup power of magnet coil at AC     25 VA       Operating range factor control supply voltage rated value     50 %       Percental drop-out voltage of magnet coil related to the input voltage of magnet coil related to the input voltage of magnet coil related to the input voltage of auxiliary contacts of auxiliary contac	Number of NO contacts for main contacts	3
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Number of NO contacts of auxiliary contacts of overload relay       1         Operating current of auxiliary contacts of overload relay       1	-	1
overload relay Operating current of auxiliary contacts of overload relay		
Operating current of auxiliary contacts of overload relay	-	1
relay		
• at AC at 600 V 5 A		
	• 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
Enclosure	
Degree of protection NEMA rating of the enclosure	NEMA 4X 316 stainless steel enclosure
Design of the housing	Dust-tight, watertight & corrosion resistant
Motor Circuit Protector (magnetic trip only)	
Operating current of motor circuit breaker rated value	25 A
Adjustable pick-up value current of instantaneous short-circuit trip unit	55 180 A
Mounting/wiring	
Mounting position	Vertical
(mounting type)	Surface mounting and installation
Type of electrical connection for supply voltage line- side	Box lug
Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded	1x (14 AWG 10 AWG) or 1x (12 AWG 10 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 short-circuit trip	Instantaneous trip circuit breaker
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
• at 480 V	100 kA
• at 600 V	25 kA

#### <sup>-</sup>urther information

Industrial Controls - Product Overview (Catalogs, Brochures,...) www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

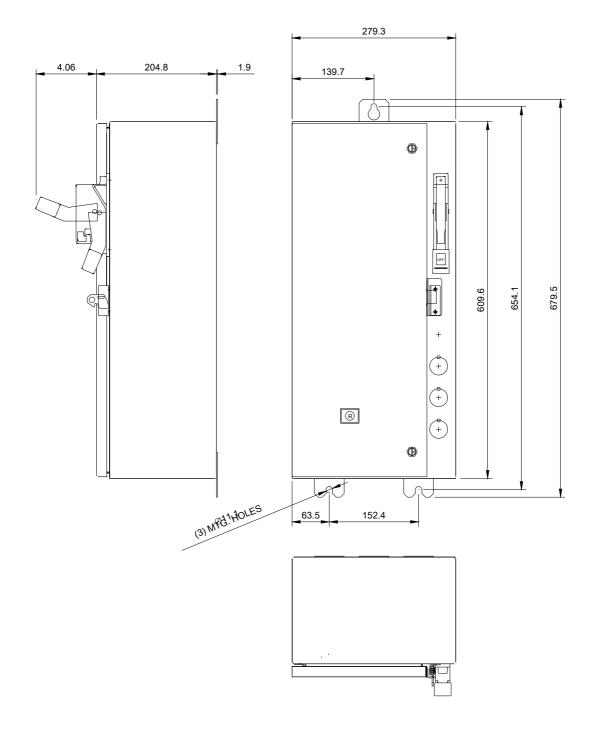
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:18CUD92XF&lang=en

#### Certificates/approvals

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