# **SIEMENS**

## Data sheet

## US2:18CUB82XH



Non-reversing motor starter Size 0 Three phase full voltage Solidstate overload relay OLRelay amp range 0.75-3.4A 380-440/440-480V 50/60HZ coil Combination type 3Amp circuit breaker Encl NEMA type 4X 316 S-steel Water/dust tight noncorrosive Extra-wide enclosure

Figure similar

General technical data	
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
Horsepower ratings	
Yielded mechanical performance [hp] for three-phase	
AC motor	
• at 200/208 V rated value	0.5 hp
• at 220/230 V rated value	0.5 hp
• at 460/480 V rated value	1 hp
• at 575/600 V rated value	1 hp
Contactor	

Instruction of the control is a co	Number of NO contacts for main contacts	3
Hz maximum       Image: I		
Mechanical service life (switching cycles) of the main contacts typical         1000000           Auxiliary contact         0           Number of NC contacts at contactor for auxiliary contacts         0           Number of ND 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         0           Control supply voltage         AC           Control supply voltage         0           • at AC at 60 Hz rated value         440           • at AC at 60 Hz rated value         380           • at AC at 60 Hz rated value         218 VA           Apparent pick-up power of magnet coil at AC         25 VA           Operating range factor control supply voltage rated         0%           value of magnet coil         10           Percential 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         0/75         3.4           Reset function         Manual, automatic and remote           Tip class         0/75         3.4		
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overload relay       Operating current of auxiliary contacts of overload       relay	overload relay	
Operating current of auxiliary contacts of overload relay	Number of NO contacts of auxiliary contacts of	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	3 A
Adjustable pick-up value current of instantaneous short-circuit trip unit	10 35 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 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 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

#### 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=US2:18CUB82XH

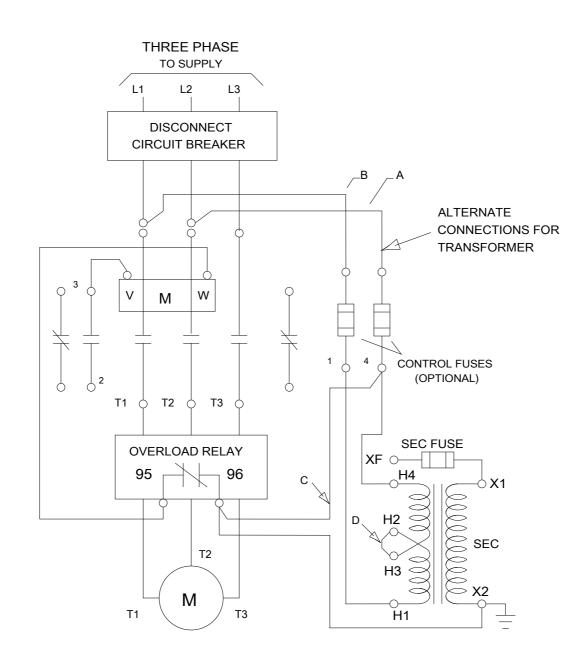
#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:18CUB82XH

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:18CUB82XH&lang=en

### Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:18CUB82XH/certificate





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last modified:

05/09/2019