SIEMENS

Data sheet US2:17CUD92BF



Non-reversing motor starter, Size 0, Three phase full voltage, Solid-state overload relay, OLRelay amp range 5.5-22a, 110V 50HZ / 120V 60HZ coil, Combination type, 30Amp non-fusible disconnect Enclosure NEMA type 1, Indoor general purpose use, 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

lorsepower 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

Number of NO contacts for main contacts	3	
Operating current at AC at 600 V rated value	18 A	
Mechanical service life (switching cycles) of the main contacts typical	10000000	
Auxiliary contact		
Number of NC contacts at contactor for auxiliary	0	
contacts		
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	120 120 V	
• at AC at 50 Hz rated value	110 110 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		
Overload protection	Yes	
Phase failure detection	Yes	
Phase unbalance	Yes	
Ground fault detection	Yes	
Test function	Yes	
External reset	Yes	
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	5.5 22 A	
Make time with automatic start after power failure maximum	3 s	
	1 %	

Product feature Protective coating on printed-circuit	Yes	
board		
Number of NC contacts of auxiliary contacts of overload relay	1	
Number of NO contacts of auxiliary contacts of	1	
overload relay		
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	5A@600VAC (B600), 1A@250VDC (R300)	
according to UL		
Insulation voltage		
 with single-phase operation at AC rated value 	600 V	
with multi-phase operation at AC rated value	300 V	
man phase operation at the rated value		
Disconnect Switch		
Rated response values of switch disconnector	30A / 600V	
Design of fuse holder	non-fusible	
Operating class of the fuse link	non-fusible	
Mounting/wiring		
(mounting position)	vertical	
(meaning position)		
(mounting type)	Surface mounting and installation	
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(mounting type) Type of electrical connection for supply voltage line-	Surface mounting and installation	
(mounting type) Type of electrical connection for supply voltage lineside	Surface mounting and installation Box lug	
(mounting type) Type of electrical connection for supply voltage lineside Tightening torque [lbf·in] for supply	Surface mounting and installation Box lug 35 35 lbf·in	
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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=US2:17CUD92BF

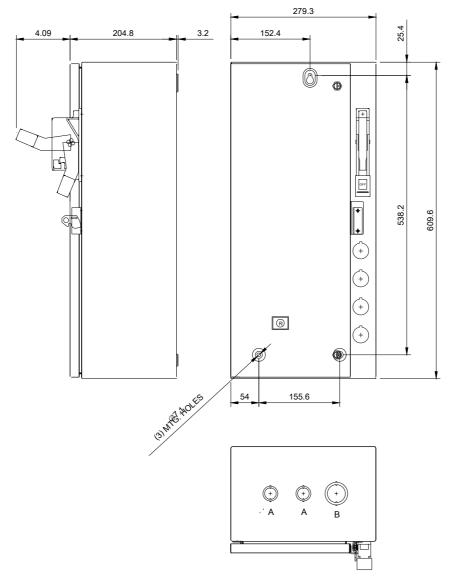
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUD92BF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17CUD92BF&lang=en

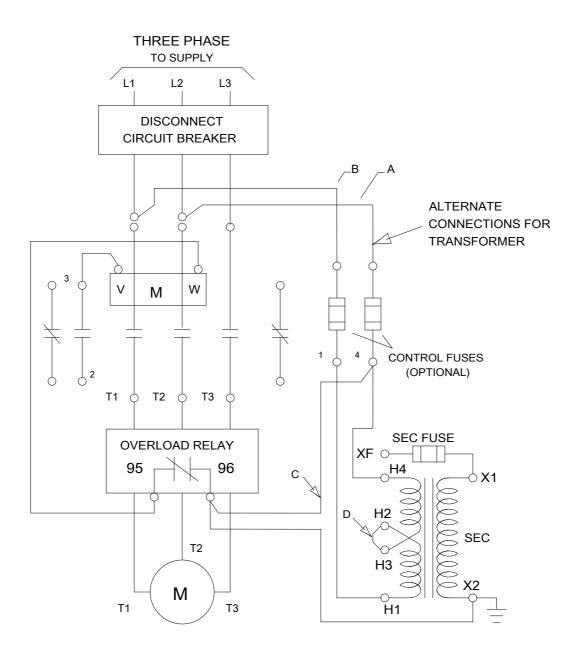
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17CUD92BF/certificate



\LCONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE
Α	%%C12.7 & %%C19 CONDUIT
В	Ø25.4 & Ø31.8 CONDUIT



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