## **SIEMENS**

Data sheet US2:17EUE92BD



Non-reversing motor starter, Size 1 3/4, Three phase full voltage, Solid-state overload relay, OLRelay amp range 10-40a, 208VAC 60HZ coil, Combination type, 60Amp non-fused 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	10 hp		
● at 220/230 V rated value	10 hp		
● at 460/480 V rated value	15 hp		
● at 575/600 V rated value	15 hp		

## Contacto

Number of NO contacts for main contacts	3	
Operating current at AC at 600 V rated value	40 A	
Mechanical service life (switching cycles) of the main	10000000	
contacts typical		
Auxiliary contact		
Number of NC contacts at contactor for auxiliary	0	
contacts		
Number of NO contacts at contactor for auxiliary	1	
contacts		
Number of total auxiliary contacts maximum	8	
Contact rating of auxiliary contacts of contactor	10A@600VAC (A600), 5A@600VDC (P600)	
according to UL		
Coil		
Type of voltage of the control supply voltage	AC	
Control supply voltage		
• at DC rated value	0 0 V	
<ul> <li>at AC at 60 Hz rated value</li> </ul>	208 208 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	0.85 1.1	
value of magnet coil		
Percental drop-out voltage of magnet coil related to	50 %	
the input voltage		
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-	10 40 A	
dependent overload release		
Make time with automatic start after power failure	3 s	
maximum		
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		
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V	
• with multi-phase operation at AC rated value	300 V	
Disconnect Switch		
Rated response values of switch disconnector	60A / 600V	
Design of fuse holder	non-fusible	
Operating class of the fuse link	non-fusible	
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	45 45 lbf·in	
feeder	40 40 IDI III	
	1x (14 2 AWG)	
feeder  Type of connectable conductor cross-sections at  AWG conductors for load-side outgoing feeder single		
feeder  Type of connectable conductor cross-sections at  AWG conductors for load-side outgoing feeder single or multi-stranded  Temperature of the conductor for load-side outgoing	1x (14 2 AWG)	
feeder  Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded  Temperature of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing	1x (14 2 AWG) 75 °C	

Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-	2x (16 12 AWG)
stranded	
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=US2:17EUE92BD

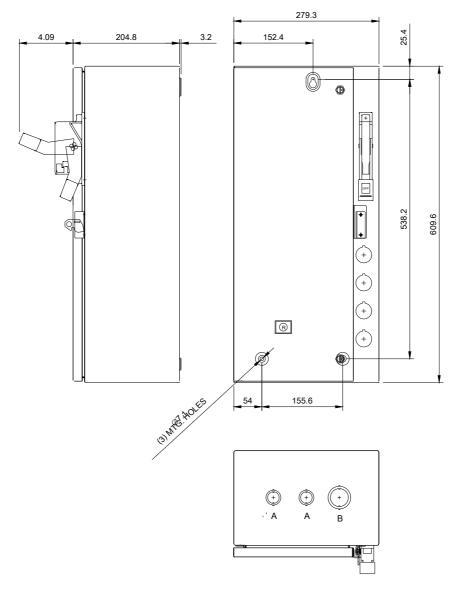
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17EUE92BD

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17EUE92BD&lang=en

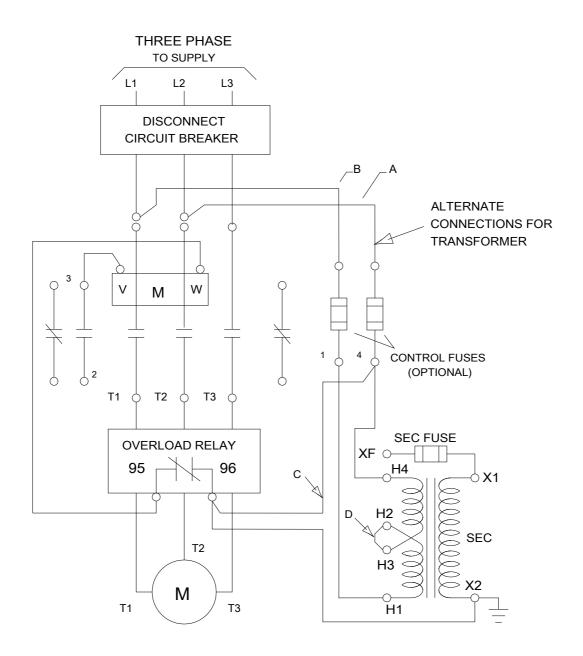
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17EUE92BD/certificate



\LCONDUITS TYP. TOP & BOTTOM

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



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