SIEMENS

Data sheet

US2:40EP12BD



Non-reversing contactor, Size 1P, Single phase full voltage, Contactor amp rating 35A, 3 wire (NO aux included), 208VAC 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use, Standard width enclosure

product brand name	Class 40
design of the product	Non-reversing contactor
special product feature	Half-size controller
General technical data	
weight [lb]	8 lb
Height x Width x Depth [in]	11 × 7 × 5 in
touch 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
during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for single-phase AC motor	
 at 115 V rated value 	3 hp
• at 200/208 V rated value	5 hp
• at 220/230 V rated value	5 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	Controller half size 1 3/4
number of NO contacts for main contacts	2
operating voltage for main current circuit at AC at 60 Hz maximum	240 V
operational current at AC at 600 V rated value	35 A
mechanical service life (operating 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 AC at 60 Hz rated value	208 208 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA



appearing magnetic tool and voice of the appearance of the ap	apparent holding power of magnet coil at AC	25 VA
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maximum permissible CU material of the conductor at contactor for auxiliary contacts CU Short-circuit current rating 10kA@600V (Class H or K); 100kA@600V (Class R or J) 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) design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) 14 A • at 240 V 10 A • at 600 V 10 A		1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
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) design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) 14 A • at 240 V 10 A • at 600 V 10 A		75 °C
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) design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (lcu) 14 A • at 480 V 10 A • at 600 V 10 A	material of the conductor at contactor for auxiliary contacts	CU
circuit required Circuit required design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) 14 A • at 240 V 14 A • at 480 V 10 A • at 600 V 10 A	Short-circuit current rating	
maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V	0	10kA@600V (Class H or K); 100kA@600V (Class R or J)
• at 240 V 14 A • at 480 V 10 A • at 600 V 10 A	design of the short-circuit trip	Thermal magnetic circuit breaker
• at 480 V 10 A • at 600 V 10 A	maximum short-circuit current breaking capacity (Icu)	
• at 600 V 10 A	• at 240 V	14 A
	• at 480 V	10 A
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	• at 600 V	10 A
	certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	Further information	

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