SIEMENS

Data sheet

US2:40EP22BC



Non-reversing contactor, Size 1 3/4, 4 power poles, Contactor amp rating 40A, 3 wire (NO aux included), 220-240/440-480VAC 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; Dual voltage coil
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 3-phase AC motor	
• at 200/208 V rated value	5 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
Contactor	
size of contactor	Controller half size 1 3/4
number of NO contacts for main contacts	4
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	40 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	220 480 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA

operating range facto control supply voltage rated value of magnet coll 0.85 1.1 percental drop-out voltage of magnet coll related to the input voltage 50 % ON-delay time 19 29 ms OFF-delay time 10 24 ms Enclosure indoors, usable on a general basis design of the housing indoors, usable on a general basis Mounting/wring mounting position Fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Screw-type terminals tightening torque [tbrin] for supply 45 45 lbrin type of electrical connection ror supply maximum permissible 75 °C material of the conductor for supply AL or CU type of onnectable conductor ror sores-sections or AWC acales 11 (4 2 AWG) type of electrical connection of load-side outgoing feeder 51 °C material of the conductor for load-side outgoing feeder 51 °C tightening torque [tbrin] for load-side outgoing feeder 51 °C tightening torque [tbrin] tor load-side outgoing feeder 51 °C tightening torque [tbrin] at magnet coll 51 °C tightening torque [tbrin] at magnet coll <th></th> <th></th>		
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AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts CU	tightening torque [lbf-in] at contactor for auxiliary contacts	10 15 lbf·in
maximum permissible material of the conductor at contactor for auxiliary contacts CU		1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
		75 °C
Short-circuit current rating	material of the conductor at contactor 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)		10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip Thermal magnetic circuit breaker	design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	maximum short-circuit current breaking capacity (Icu)	
• at 240 V 14 A	• at 240 V	14 A
• at 480 V 10 A	• at 480 V	10 A
• at 600 V 10 A	• at 600 V	10 A
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	Further information	

www.usa.siemens.com/iccatalog

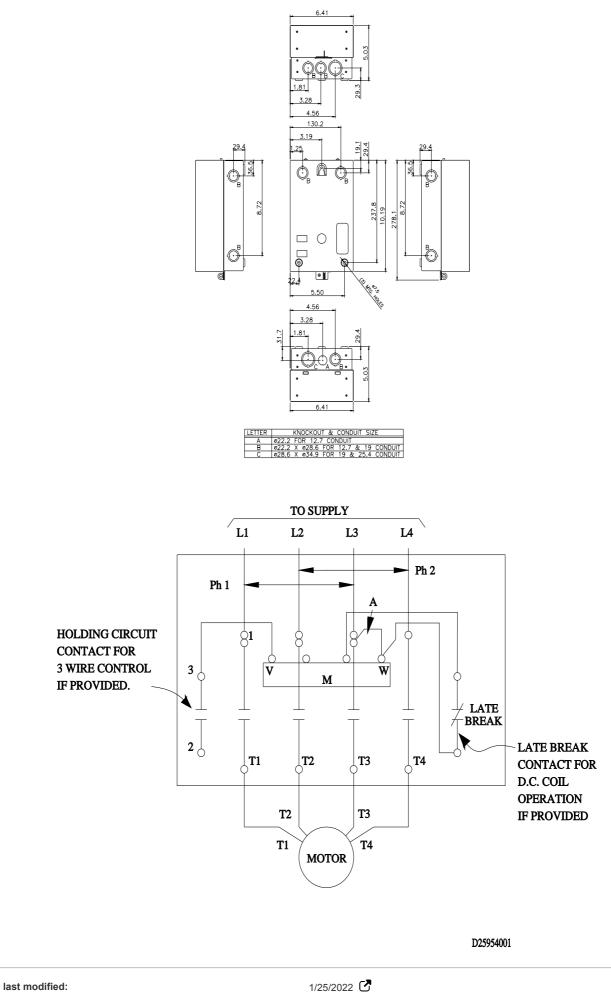
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:40EP22BC

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:40EP22BC

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:40EP22BC&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:40EP22BC/certificate



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