SIEMENS

Data sheet US2:40EP12BF



Non-reversing contactor, Size 1P, Single phase full voltage, Contactor amp rating 35A, 3 wire (NO aux included), 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use, Standard width enclosure

product brand name design of the product special product feature General technical data weight [b] Height x Width x Depth [n] 11 x 7 x 5 in		
Special product feature General technical data weight [Ib] Height x Width x Depth [in] Louch protection against electrical shock Installation at littude [fi] at height above sea level maximum ambient temperature [°F] • during storage • dur	·	
weight [b] 8 lb Height x Width x Depth [n] 11 x 7 x 6 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 operation -20 +40 *C country of origin USA Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value 5 hp • at 220/230 V rated value 5 hp • at 220/230 V rated value 0 hp • at 460/480 V rated value 0 hp • at 460/480 V rated value 0 hp • at 576/600 V rated value 0 hp • at 676/600 V rated value 0 hp • at 676/600 V rated value 0 hp operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts 10 perating voltage for main current circuit at AC at 60 Hz number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 11 number of NO contacts at contactor for auxiliary contacts 12 number of NO		-
weight [ib] Height x Width x Depth [in] touch protection against electrical shock installation altitude [it] at height above sea level maximum ambient temperature [ir] • during storage • during operation ambient temperature • during storage • during storage • during storage • during storage • during operation • during operation • during operation • during operation • at 115 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 675/600 V rated value • at 675	· · ·	Half-size controller
Height x Width x Depth [in] touch protection against electrical shock Installation altitude [it] at height above sea level maximum 6560 ft ambient temperature [*F] • during storage • during operation ambient temperature • during storage • during operation ambient temperature • during storage • during stor	General technical data	
touch protection against electrical shock installation altitude [II] at height above sea level maximum ambient temperature [F] • during storage • during operation -4 +104 "F ambient temperature • during storage • during operation -20 +65 "C • during operation -20 +40 "C country of origin USA Wish of the enchanical performance [Ip] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • on the province of the first of the province of the pr	weight [lb]	8 lb
installation altitude [ft] at height above sea level maximum ambient temperature "F" • during storage • during operation • 20 +65 °C country of origin USA **Horsepower ratings** yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at ocontactor size of contactor size of contactor Controller half size 1 3/4 number of NO contacts for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical **Auxiliary contact **number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Contactor for auxiliary contacts 1 number of NO contacts at Co	Height x Width x Depth [in]	11 × 7 × 5 in
ambient temperature [*F] • during storage • during operation ambient temperature • during storage • during operation • during storage • 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 • at 200/208 V rated value • at 220/230 V rated value • at 400/480 V rated value • at 60/480 V rated value • at 55/600 V rated value Operating voltage for main contacts 2 240 V maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value	touch protection against electrical shock	NA for enclosed products
 • during storage • during operation -4 +104 °F ambient temperature • during storage • during storage • during storage • 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 • at 220/2030 V rated value • 5 hp • at 220/230 V rated value • 6 hp • at 460/480 V rated value • 0 hp • at 575/600 V rated value • 0 hp Contactor Size of contactor number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical humber of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts on a contactor for auxiliary contacts number of NC contacts at contactor for ontactinactor on the supply voltage AC control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value 110 V • at AC at 60 Hz rated value 120 V 	installation altitude [ft] at height above sea level maximum	6560 ft
during operation during storage during operation during operation during operation during operation country of origin USA Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor at 115 V rated value at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value at 460/480 V rated value o hp at 575/600 V rated value of hp Contactor size of contactor runwher of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value apoperating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value apoperating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value at AC at 600 V rated value soperating voltage for main current circuit at AC at 60 Hz availary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts or auxiliary contacts number of total auxiliary contacts or contactor for auxiliary contacts voltage of the control supply voltage at AC at 60 Hz rated value	ambient temperature [°F]	
ambient temperature • during storage • during operation country of origin Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 2200/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 55/600 V rated value • at 575/600 V rated value • by at 575/600 V rated value • at 750/400 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 at 750/400 V 768VA@240VAC Coil type of voltage of the control supply voltage • at AC at 60 Hz rated value	 during storage 	-22 +149 °F
 during storage 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 at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 460/480 V rated value 0 hp at 4575/600 V rated value 0 hp Contactor size of contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 60 Hz rated value 110 V at AC at 60 Hz rated value 120 V 	during operation	-4 +104 °F
 during operation -20 *40 °C country of origin USA Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor at 1115 V rated value at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value o hp at 4575/600 V rated value o hp Contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value operational current at AC at 600 V rated value operational current at AC at 600 V rated value operational current at AC at 600 V rated value operational current at AC at 600 V rated value operational current at AC at 600 V rated value operational current at AC at 600 V rated value operation of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of No contacts at contactor for auxiliary contacts at No contact rating of auxiliary contacts of contact raccording to UL coil type of voltage of the control supply voltage at AC at 60 Hz rated value at AC at 60 Hz rated value 110 V at AC at 60 Hz rated value	ambient temperature	
country of origin Horsepower ratings yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 220/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 6575/600 V rated value • at 575/600 V rated value • on hp Contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxillary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value	 during storage 	-30 +65 °C
Vielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 4575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value O hp Contactor size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary 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 Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 110 V • at AC at 60 Hz rated value 110 V	 during operation 	-20 +40 °C
yielded mechanical performance [hp] for single-phase AC motor • at 115 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 675/600 V rated value • at 675/600 V rated value • on the formation of NO contacts for main contacts size of contactor number of NO contacts for main cornects operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts for auxiliary contacts number of total auxiliary contacts maximum sontact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 110 V • at AC at 60 Hz rated value 120 V	country of origin	USA
at 115 V rated value at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value be at 460/480 V rated value at 5 hp at 460/480 V rated value be at 56/600 V rated value Contactor Size of contactor number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 35 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 60 Hz rated value 120 V	Horsepower ratings	
at 200/208 V rated value at 220/230 V rated value by at 460/480 V rated value at 460/480 V rated value by at 575/600 V rated value contactor size of contactor size of contactor size of contacts for main contacts coperating voltage for main current circuit at AC at 60 Hz maximum coperational current at AC at 600 V rated value coperating legical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 110 V at AC at 60 Hz rated value 120 V	yielded mechanical performance [hp] for single-phase AC motor	
at 220/230 V rated value at 460/480 V rated value by the contactor size of contactor size of contacts for main contacts coperating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value at AC at 60 NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 110 V at AC at 60 Hz rated value 120 V	at 115 V rated value	3 hp
at 460/480 V rated value bt 575/600 V rated value contactor size of contactor size of contactor contactor size of contacts for main contacts coperating voltage for main current circuit at AC at 60 Hz maximum coperational current at AC at 600 V rated value coperational current ife (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 60 Hz rated value 120 V	• at 200/208 V rated value	5 hp
at 575/600 V rated value Contactor size of contactor Controller half size 1 3/4 number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 60 Hz rated value 120 V	• at 220/230 V rated value	5 hp
at 575/600 V rated value Contactor size of contactor Controller half size 1 3/4 number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 60 Hz rated value 120 V	• at 460/480 V rated value	0 hp
size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 1240 V 240 V 240 V 10000000 10000000 100000000 1000000	• at 575/600 V rated value	
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 120 V	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 120 V	size of contactor	Controller half size 1 3/4
operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 120 V	number of NO contacts for main contacts	2
mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 10000000 10000000 100000000 1000000	operating voltage for main current circuit at AC at 60 Hz	240 V
typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 50 Hz rated value at AC at 60 Hz rated value 120 V	operational current at AC at 600 V rated value	35 A
number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL 345VA@115VAC / 768VA@240VAC Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 120 V		10000000
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL 345VA@115VAC / 768VA@240VAC Coil type of voltage of the control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 120 V	Auxiliary contact	
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 50 Hz rated value at AC at 60 Hz rated value 120 V	number of NC contacts at contactor for auxiliary contacts	0
number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL 345VA@115VAC / 768VA@240VAC Coil type of voltage of the control supply voltage output of the control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 120 V		1
contact rating of auxiliary contacts of contactor according to UL 345VA@115VAC / 768VA@240VAC Coil type of voltage of the control supply voltage output at AC at 50 Hz rated value at AC at 60 Hz rated value 120 V		8
type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at AC at 60 Hz rated value 120 V	·	345VA@115VAC / 768VA@240VAC
control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 110 V 120 V		
control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 110 V 120 V	type of voltage of the control supply voltage	AC
 at AC at 50 Hz rated value at AC at 60 Hz rated value 110 V 120 V 		
at AC at 60 Hz rated value 120 V		110 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 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 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA Type 1
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	45 45 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables 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 feeder	45 45 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	1x (14 2 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	AL or 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 for AWG cables 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 at contactor 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 for AWG cables 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
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)	
• at 240 V	14 A
• at 480 V	10 A
• at 600 V	10 A
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Approvals Certificates	



Test Certificates

Industrial Controls - Product Overview (Catalogs, Brochures,...)

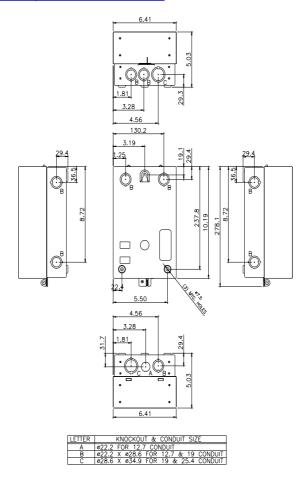
www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:40EP12BF

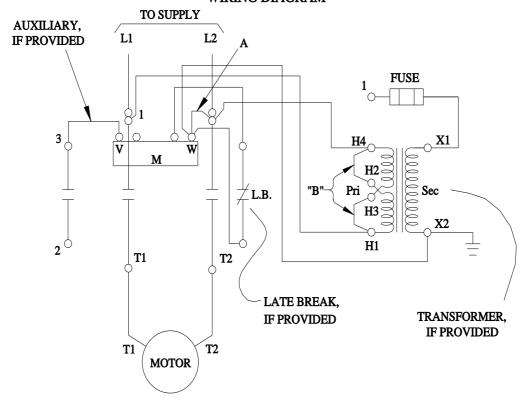
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=US2:40EP12BF&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:40EP12BF/certificate



WIRING DIAGRAM



D29277001

last modified: 11/28/2023 🖸