SIEMENS

Data sheet

US2:40CP12FC

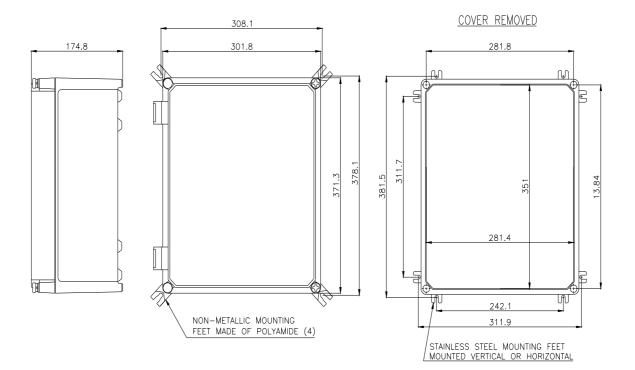


Non-reversing NEMA contactor, Size 0, Single phase full voltage, Contactor amp rating 18A, 3 wire (NO aux included), 220-240/440-480VAC 60Hz coil, Noncombination type, Encl. NEMA type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

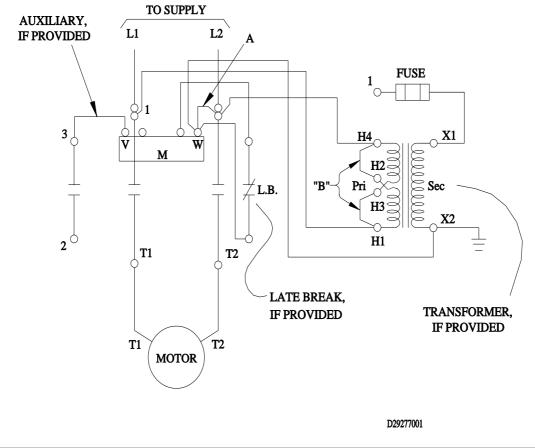
product brand name	Class 40
design of the product	Non-reversing contactor
special product feature	Dual voltage coil
General technical data	
weight [lb]	14 lb
Height x Width x Depth [in]	15 × 12 × 7 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height 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 	1 hp
• at 200/208 V rated value	2 hp
 at 220/230 V rated value 	2 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 0
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	18 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

operating range factor control supply voltage rated value of magnet coll 0.851.1 percential drop-out voltage of magnet coll related to the input voltage 50 % ON-delay time 1929 ms OFF-delay time 1024 ms Enclosure NEMA 4X fiberglass enclosure degree of protection NEMA rating of the enclosure NEMA 4X fiberglass enclosure degree of protection NEMA rating of the enclosure NEMA 4X fiberglass enclosure degree of protection INEMA rating of the enclosure NEMA 4X fiberglass enclosure degree of protection INEMA rating of the enclosure NEMA 4X fiberglass enclosure degree of protection INEMA rating of the enclosure NEMA 4X fiberglass enclosure mounting position Vertical fastening method Surface mounting and installation type of operacible conductor rosupply voltage line-side Screw-type terminals tightering torque [DFiI fi] for supply AL or CU Alor CU Stread-type terminals tightering torque [DFiI fi] for lack-side outgoing feeder Screw-type terminals tightering torque [DFII fi] for lack-side outgoing feeder AL or CU type of operacible conductor rosus-sections of magnet coll Screw-type term	apparent holding power of magnet coil at AC	25 VA
voltage 19 20 ms OR-delay time 19 24 ms Construction NEMA 4X fiberglass enclosure degree of protection NEMA rating of the enclosure NEMA 4X fiberglass enclosure design of the housing dustproof, waterproof & resistant to corrosion Mountingywring mounting position Year of electrical connection for supply voltage line-side Screw-kype terminals Ightening target [bit1] for supply 20 20 bitn Yype of electrical connection for supply watimum permissible 75 °C Immediate conductor for supply reading ended Screw-kype terminals Ightening target conductor for load-side outgoing feeder 20 20 bitin Yype of electrical connection for load-side outgoing feeder 75 °C madmum permissible 75 °C madmum permi	operating range factor control supply voltage rated value of	
OFF-delay time 10 24 ms Enclosure MEMA 4X fiberglass enclosure design of the housing Musthropoot & resistant to corrosion Mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Screev-lype terminals tightening torque [bfrin] for supply 20 20 bFrin type of electrical connection for supply maximum permissible 75 °C material of the conductor for supply digging feeder 20 20 bFrin type of electrical connection for load-side outgoing feeder 20 20 bFrin type of electrical connection for load-side outgoing feeder 20 20 bFrin type of electrical connection for load-side outgoing feeder 20 20 bFrin type of electrical connection for load-side outgoing feeder 75 °C transmum permissible 75 °C material of the conductor for load-side outgoing feeder 75 °C type of electrical connection for angent coil 512 bFrin type of electrical connection for angent coil 512 bFrin type of electrical connection for angent coil 512 bFrin type of electrical connection for angent coil 512 bFrin type of electrical connection for auxiliary contacts 50 tightening torque [bFrin] at magnet coil 512		50 %
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AWG cables for auxiliary contacts single or multi-stranded Image: Contact or auxiliary contacts or auxiliary contacts or auxiliary contacts 75 °C 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 480 V 10 A • at 600 V 10 A	tightening torque [lbf-in] at contactor for auxiliary contacts	10 15 lbf·in
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 14 A • at 480 V 10 A • at 600 V 10 A	51	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 (Icu) 14 A • at 240 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 10 A • at 600 V 10 A	Short-circuit current rating	
maximum short-circuit current breaking capacity (Icu) 14 A • at 240 V 10 A • at 480 V 10 A • at 600 V 10 A	5	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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