SIEMENS

Data sheet US2:14FP12BD81



Non-reversing motor starter, Size 2, Single Phase, 2-Pole, Amb. compensate bimetal OLR, Contactor amp rating 45A, 208VAC 60Hz coil, Non-combination type, Enclosure type 1, Indoor general purpose use

Figure similar

product brand name	Class 14 & 22
product brand name	
design of the product	Full-voltage non-reversing motor starter
General technical data	40.5 II.
weight [lb]	12.5 lb
Height x Width x Depth [in]	14 × 8 × 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]	20 440.75
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	7.5 hp
at 220/230 V rated value	7.5 hp
Contactor	
size of contactor	NEMA controller size 2
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	45 A
mechanical service life (operating cycles) of the main contacts typical	10000000
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	7
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 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	0.85 1.1

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at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	tightening torque [lbf-in] at overload relay for auxiliary contacts	5 12 lbf-in
contacts maximum permissible 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 design of the short-circuit trip Thermal magnetic circuit breaker maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14		2x (16 12 AWG)
design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) at 240 V at 480 V at 600 V to kA at 600 V certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14		75 °C
design of the fuse link for short-circuit protection of the main circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V certificate of suitability 10kA@600V (Class H or K); 100kA@600V (Class R or J) Thermal magnetic circuit breaker 14 kA 10 kA 10 kA NEMA ICS 2; UL 508; CSA 22.2, No.14	material of the conductor at overload relay for auxiliary contacts	CU
circuit required design of the short-circuit trip maximum short-circuit current breaking capacity (Icu) • at 240 V • at 480 V • at 600 V 10 kA certificate of suitability Thermal magnetic circuit breaker 14 kA 10 kA 10 kA	Short-circuit current rating	
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 at 240 V at 480 V at 600 V certificate of suitability 14 kA 10 kA NEMA ICS 2; UL 508; CSA 22.2, No.14 	design of the short-circuit trip	Thermal magnetic circuit breaker
• at 480 V	maximum short-circuit current breaking capacity (lcu)	
at 600 V 10 kA certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	• at 240 V	14 kA
certificate of suitability NEMA ICS 2; UL 508; CSA 22.2, No.14	• at 480 V	10 kA
•	• at 600 V	10 kA
•	certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	Further information	

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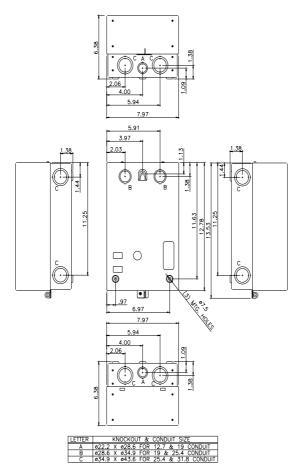
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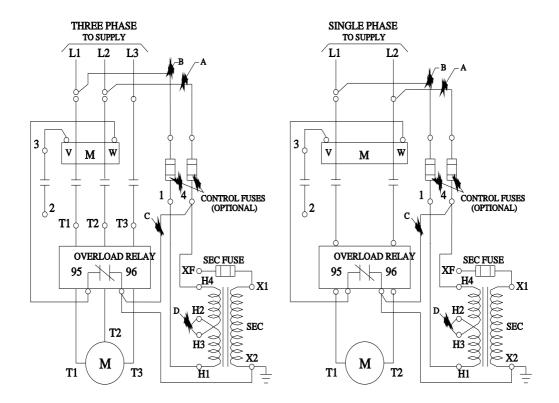
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