SIEMENS

Data sheet US2:14EP32WA81



Non-reversing motor starter, Size 1 3/4, Three phase full voltage, Amb. compensate bimetal OLR, Contactor amp rating 40A, Non-combination type, Encl. type 4X 304 S. Steel, Water/dust tight noncorrosive

Figure similar

Class 14 & 22			
Special product feature General technical data weight [b] Height X Width x Depth [n] 13 * 8 * 5 in touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [FT] • during storage • during operation ambient temperature • during storage • at 2200230 V rated value • at 2200230 V rated value • at 2200230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 576/600 V rated value • at 576/600 V rated value • at 676/600 V rated value • at 766/600 V rated value • at 876/600 V rated value • at 876/600 V rated value • at 876/600 V rated value • at 676/600 V rat	product brand name	Class 14 & 22	
weight [bi] 11 b Height x Width x Depth [in] 13 x 8 x 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 arbient 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 10 hp • at 460/480 V rated value 15 hp • at 460/480 V rated value 15 hp 2 at 460/480 V rated value 15 hp contactor Size of contactor main contacts or main contacts operating values for main current or current of AC at 60 Hz maximum operational current at AC at 600 V rated value 40 A mechanical service life (operating cycles) of the main 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 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 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 2 number of NO contacts 3 numb	design of the product	Full-voltage non-reversing motor starter	
weight [ib] Height x Width x Depth [in] 13 x 8 x 5 in 10 x	special product feature	Half-size starter; Dual voltage coil	
Height x Width x Depth [in] touch protection against electrical shock installation altitude [ft] at height above sea level maximum 6660 ft ambient temperature [*F] • during storage • during operation • during operation • during operation • during operation • 20 +65 °C • during operation • 20 +40 °C USA **Horsepower ratings** yielded mechanical performance [hp] for 3-phase AC motor • at 200/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • Operating voltage for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 40 A mumber 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 tool contacts at contactor for auxiliary contacts number of VO contacts at contactor for auxiliary contacts number of volcontacts at contactor for auxiliary contacts 1 number of NO contacts at contactor for auxiliary contacts 1 number of VO contacts at contactor for auxiliary contacts 1 number of VO contacts at contactor for auxiliary contacts 1 number of volcontacts at contactor for auxiliary contacts 2 of voltage of the control supply voltage 2 at AC 460 Hz rated value 3 at CA 60 Hz rated value 3 at CA 60 Hz rated value 4 at AC at 60 Hz rated value 5 at AC at 60 Hz rated value 5 at AC at 60 Hz rated value	General technical data		
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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 60 Hz rated value holding power at AC minimum 0 10A@600VAC (A600), 5A@600VDC (P600) AC control supply voltage 110 240 V 8.6 W		10000000	
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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 60 Hz rated value holding power at AC minimum 8 10A@600VAC (A600), 5A@600VDC (P600) AC 10A@600VAC (A600), 5A@600VDC (P600) 10A@600VAC (A600), 5A@600VDC (P600) 10A@600VAC (A600), 5A@600VDC (P600) 10A@600VAC (A600), 5A@600VDC (P600)	number of NC contacts at contactor for auxiliary contacts	0	
contact rating of auxiliary contacts of contactor according to UL Coil type of voltage of the control supply voltage o at AC at 60 Hz rated value holding power at AC minimum AC 10A@600VAC (A600), 5A@600VDC (P600) AC 240 V 8.6 W	number of NO contacts at contactor for auxiliary contacts	1	
type of voltage of the control supply voltage control supply voltage at AC at 60 Hz rated value holding power at AC minimum AC AC AC 110 240 V 8.6 W	number of total auxiliary contacts maximum	8	
type of voltage of the control supply voltage control supply voltage at AC at 60 Hz rated value 110 240 V holding power at AC minimum 8.6 W	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)	
control supply voltage • at AC at 60 Hz rated value holding power at AC minimum 8.6 W	Coil		
at AC at 60 Hz rated value 110 240 V holding power at AC minimum 8.6 W	type of voltage of the control supply voltage	AC	
holding power at AC minimum 8.6 W	control supply voltage		
	at AC at 60 Hz rated value	110 240 V	
•	holding power at AC minimum	8.6 W	
		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
Overload relay	
product function	
overload protection	Yes
• test function	Yes
external reset	Yes
reset function	Manual and automatic
adjustment range of thermal overload trip unit	0.85 1.15
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	0
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	10 A
• at DC at 250 V	5 A
contact rating of auxiliary contacts of overload relay according to	10A@600VAC (A600), 5A@250VDC (P300)
UL	
Enclosure	
degree of protection NEMA rating	4X, 304 stainless steel
design of the housing	dustproof, waterproof & resistant to corrosion
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
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	35 50 lbf-in
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 at 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 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 at 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
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	5 12 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2x (16 12 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
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	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 kA
• 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

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

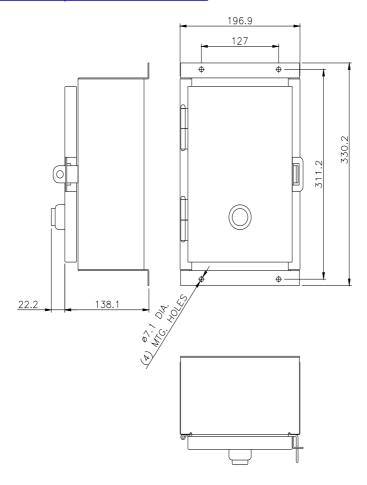
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14EP32WA81

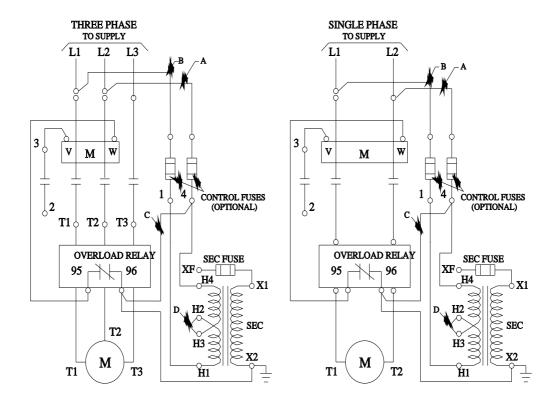
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14EP32WA81

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14EP32WA81&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14EP32WA81/certificate





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