## SIEMENS

## Data sheet

## US2:14GP32WJ81



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Amb. compensate bimetal OLR, Contactor amp rating 60A, 24VAC 50-60Hz coil, Non-combination type, Encl. type 4X 304 S. Steel, Water/dust tight noncorrosive

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product brand name	Class 14 & 22		
design of the product	Full-voltage non-reversing motor starter		
special product feature	Half-size starter		
General technical data			
weight [lb]	14 lb		
Height x Width x Depth [in]	16 × 8 × 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]			
<ul> <li>during storage</li> </ul>	-22 +149 °F		
during operation	-4 +104 °F		
ambient temperature			
<ul> <li>during storage</li> </ul>	-30 +65 °C		
<ul> <li>during operation</li> </ul>	-20 +40 °C		
country of origin	USA		
Horsepower ratings			
yielded mechanical performance [hp] for 3-phase AC motor			
• at 200/208 V rated value	15 hp		
• at 220/230 V rated value	20 hp		
• at 460/480 V rated value	30 hp		
• at 575/600 V rated value	30 hp		
Contactor			
size of contactor	Controller half size 2 1/2		
number of NO contacts for main contacts	3		
operating voltage for main current circuit at AC at 60 Hz maximum	600 V		
operational current at AC at 600 V rated value	60 A		
mechanical service life (switching 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	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			

	0.11		
at AC at 50 Hz rated value	24 V		
at AC at 60 Hz rated value	24 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		
Overload relay			
product function			
<ul> <li>overload protection</li> </ul>	Yes		
• test function	Yes		
<ul> <li>external reset</li> </ul>	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 UL	10A@600VAC (A600), 5A@250VDC (P300)		
Enclosure			
degree of protection NEMA rating	4X. 304 stainless steel		
design of the housing	dustproof, waterproof & resistant to corrosion		
Mounting/wiring			
Mounting/wiring	Vertical		
mounting position	Vertical Surface mounting and installation		
mounting position fastening method	Surface mounting and installation		
mounting position fastening method type of electrical connection for supply voltage line-side	Surface mounting and installation Box lug		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum	Surface mounting and installation		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum         permissible	Surface mounting and installation Box lug 45 45 lbf·in 75 °C		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum         permissible         material of the conductor for supply	Surface mounting and installation Box lug 45 45 lbf·in 75 °C AL or CU		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum         permissible         material of the conductor for supply         type of electrical connection for load-side outgoing feeder	Surface mounting and installation Box lug 45 45 lbf-in 75 °C AL or CU Screw-type terminals		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum         permissible         material of the conductor for supply         type of electrical connection for load-side outgoing feeder         tightening torque [lbf·in] for load-side outgoing feeder	Surface mounting and installation Box lug 45 45 lbf·in 75 °C AL or CU Screw-type terminals 35 50 lbf·in		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum         permissible         material of the conductor for supply         type of electrical connection for load-side outgoing feeder         tightening torque [lbf·in] for load-side outgoing feeder         type of electrical connection of magnet coil	Surface mounting and installation Box lug 45 45 lbf·in 75 °C AL or CU Screw-type terminals 35 50 lbf·in Screw-type terminals		
mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [lbf·in] for supply         temperature of the conductor for supply maximum         permissible         material of the conductor for supply         type of electrical connection for load-side outgoing feeder         tightening torque [lbf·in] for load-side outgoing feeder         type of electrical connection of magnet coil         tightening torque [lbf·in] at magnet coil	Surface mounting and installation Box lug 45 45 lbf-in 75 °C AL or CU Screw-type terminals 35 50 lbf-in Screw-type terminals 5 12 lbf-in		
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CU		
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		

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Certificates/approvals

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