SIEMENS

Data sheet US2:22JUH32AH



Figure similar

Reversing motor starter Size 4 Three phase full voltage Solid-state overload relay OLRelay amp range 50-200A 380-440/440-480V 50/60HZ coil Non-combination type Enclosure type (open)

design of the product special product feature General technical data weight [b] Height x Width x Depth [in] 11.91 x 12.75 x 6.22 in Not finger-safe installation altitude [ft] 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 -20 +40 *C country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 480/480 V rated value at 480/480 V rated value at 480/480 V rated value at 55/5600 V rated value at 575/600 V rated value at 575/600 V rated value at 600 V maximum operational current at AC at 600 V rated value mechanical service life (switching cycles) of the main contacts typical 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 number of NC contacts at contactor for auxiliary contacts number of loc double auxiliary contacts number of loc ontacts at contactor for auxiliary contacts number of loc ontacts at contactor for auxiliary contacts number of loc double auxiliary contacts for maximum rootacts targing of auxiliary contacts number of loc double auxiliary contacts for maximum rootacts traing of auxiliary contacts for contactor according	product brand name	Class 22
Weight [lb] 19 lb Height x Width x Depth [in] 11.91 x 12.75 x 6.22 in touch protection against electrical shock Not finger-safe installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage - 4 +104 °F • during storage - 30 +65 °C • during operation - 4 +104 °C ambient temperature • 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 - 40 hp • at 220/230 V rated value - 50 hp • at 460/480 V rated value - 100 hp • at 450/480 V rated value - 100 hp • at 575/600 V rated value - 100 hp Contactor size of contactor NC contacts for main contacts - 30 operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value - 135 A - 5000000 Auxiliary contact number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 1 number of NC contacts at contactor for auxiliary contacts - 2 number of NC contacts at contactor for auxiliary contacts - 2 nu	design of the product	Full-voltage reversing motor starter
Height x Width x Depth [in] 11.91 × 12.75 × 6.22 in touch protection against electrical shock Not finger-safe installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature ["F]	special product feature	ESP200 overload relay
Height x Width x Depth [in] touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature • during storage • during operation • during storage • during operation • 20 +65 °C • during operation • country of origin USA Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • 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 • at 575/600 V rated value • at 575/600 V rated value • at 200/208 V rated value • at 300/208 V rated value • at 375/600 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 575/600 V rated value • at 600 V rated value • at	General technical data	
touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature ["F] • during storage • during operation ambient temperature • during storage • during operation -30 +65 °C -20 +40 °C country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 220/230 V rated value • at 220/230 V rated value • at 65/600 V rated value • at 67/600 V rated value • at 75/600 V rated value • at 75/600 V rated value 100 hp Contactor size of contactor number of NC contacts for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (switching cycles) of the main contacts typical Auxiliary 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 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 number of NC contacts at contactor for auxiliary contacts number of NC auxiliary contacts maximum	weight [lb]	19 lb
installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation ambient temperature • during storage • during storage • during storage • during operation -20 +45 °C • during operation -20 +40 °C country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 375/600 V rated value • at 575/600 V rated value 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 (switching 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 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 total auxiliary contacts maximum 7	Height x Width x Depth [in]	11.91 × 12.75 × 6.22 in
ambient temperature ["F] • during storage • during operation ambient temperature • during storage • during operation ambient temperature • during storage • during operation country of origin USA Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 55/600 V rated value • at 55/600 V rated value • at 575/600 V rated value • at 50/208 V rated value • at 50/208 V rated value • at 60/480 V rated value • at 60/480 V rated value • at 575/600 V rated value • at 575/600 V rated value 100 hp Contactor size of contactor NEMA controller size 4 number of NO contacts for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 135 A mechanical service life (switching 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 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 total auxiliary contacts maximum 7	touch protection against electrical shock	Not finger-safe
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• during operation ambient temperature • during storage • during operation • during operation • during operation • during operation • during operation • during observed	ambient temperature [°F]	
ambient temperature • during storage • during operation country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value ize of contactor size of contactor number of NO contacts for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value number of NC contacts number 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 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 maximum 7	 during storage 	-22 +149 °F
during storage during operation country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value inumber 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 number of NC contacts at contactor for auxiliary contacts number of NC contacts at contact for oauxiliary contacts number of NC contacts at contact 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 total auxiliary contacts maximum 7	during operation	-4 +104 °F
oduring operation country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor	ambient temperature	
country of origin Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 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 100 hp	during storage	-30 +65 °C
yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value 100 hp • at 575/600 V rated value 100 hp Contactor size of contactor mumber 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 135 A mechanical service life (switching 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 7	country of origin	USA
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 at 460/480 V rated value at 575/600 V rated value 100 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 service life (switching cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 100 hp 100 hp	• at 200/208 V rated value	40 hp
at 575/600 V rated value 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 service life (switching 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 100 hp NEMA controller size 4 800 V 600 V 500000 5000000 50000000 50000000 700000000	• at 220/230 V rated value	50 hp
size of 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 service life (switching cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum NEMA controller size 4 3 600 V 600 V 5000000 50000000 50000000 50000000 5000000	• at 460/480 V rated value	100 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 (switching cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum NEMA controller size 4 3 600 V 600 V 5000000 5000000 5000000 5000000 5000000	at 575/600 V rated value	100 hp
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 (switching cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 135 A 5000000 5000000 135 A 50000000 50000000 135 A 135 A 135 A 136 A 137 A 138 A 139 A 130 A	Contactor	
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maximum operational current at AC at 600 V rated value mechanical service life (switching 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 7	number of NO contacts for main contacts	3
mechanical service life (switching 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 7		600 V
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 7	operational current at AC at 600 V rated value	135 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 7	, , ,	5000000
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 7	Auxiliary contact	
number of total auxiliary contacts maximum 7	number of NC contacts at contactor for auxiliary contacts	0
	number of NO contacts at contactor for auxiliary contacts	1
contact rating of auxiliary contacts of contactor according 10A@600VAC (A600), 5A@600VDC (P600)	number of total auxiliary contacts maximum	7
to UL		10A@600VAC (A600), 5A@600VDC (P600)
Coil	Coil	
type of voltage of the control supply voltage AC	type of voltage of the control supply voltage	AC
control supply voltage	control supply voltage	

at AC at 50 Hz rated value	380 440 V
	360 440 V 440 480 V
at AC at 60 Hz rated value holding power at AC minimum.	22 W
holding power at AC minimum apparent pick-up power of magnet coil at AC	510 VA
apparent holding power of magnet coil at AC	51 VA
operating range factor control supply voltage rated value	0.85 1.1
of magnet coil	
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	18 34 ms
OFF-delay time	10 12 ms
Overload relay	
product function	
 overload protection 	Yes
 phase failure detection 	Yes
 asymmetry detection 	Yes
 ground fault detection 	Yes
• test function	Yes
external reset	No
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	50 200 A
make time with automatic start after power failure maximum	3 s
relative repeat accuracy	1 %
product feature protective coating on printed-circuit board	Yes
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
at AC at 600 V	5 A
● at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
 with single-phase operation at AC rated value 	600 V
 with multi-phase operation at AC rated value 	300 V
Enclosure	
degree of protection NEMA rating	Open device (no enclosure)
design of the housing	NA
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Box lug
tightening torque [lbf·in] for supply	200 200 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	1x (6 AWG 250 MCM)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Box lug
tightening torque [lbf·in] for load-side outgoing feeder	200 200 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded	1x (6 AWG 250 MCM)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet	5 12 lbf·in 2x (16 12 AWG)

coil at AWG cables single or multi-stranded	
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	7 10 lbf-in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 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
breaking capacity maximum short-circuit current (Icu)	
● at 240 V	10 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=US2:22JUH32AH

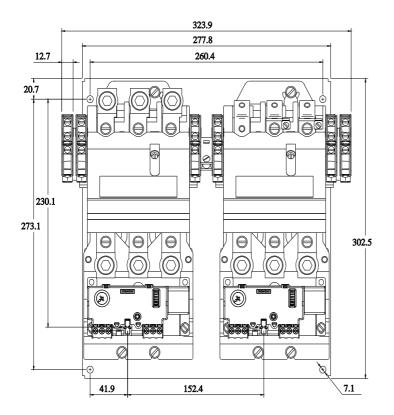
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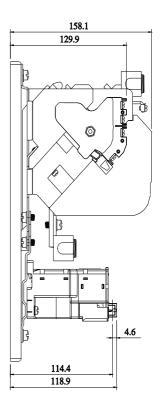
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

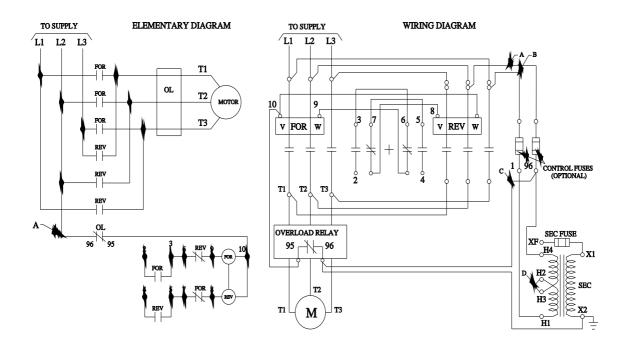
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Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22JUH32AH/certificate







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