## **SIEMENS**

Data sheet US2:30IUHH32B2VA



2-speed 3-phase motor starter, Size 3 1/2, One winding consequent pole, Constant or variable torque, Solid-state overload relays, Low Spd OLR range 50-200A, High Spd OLR range 50-200A, Enclosure NEMA type 1, Indoor general purpose use

weed inthone and name	Class 20
product brand name	Class 30
design of the product	Full-voltage two speed motor starter
special product feature	ESP200 overload relay; Half-size controller; Dual voltage coil
General technical data	
weight [lb]	70 lb
Height x Width x Depth [in]	29 × 23 × 9 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 3-phase AC motor	
<ul> <li>at 200/208 V rated value</li> </ul>	30 hp
<ul><li>at 220/230 V rated value</li></ul>	40 hp
<ul><li>at 460/480 V rated value</li></ul>	75 hp
<ul><li>at 575/600 V rated value</li></ul>	75 hp
Contactor	
size of contactor	Controller half size 3 1/2
number of NO contacts for main contacts	6
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	115 A
mechanical service life (operating cycles) of the main contacts typical	5000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	2
number of NO contacts at contactor for auxiliary contacts	2
number of total auxiliary contacts maximum	7
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 2.5A@300VDC (Q300)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 60 Hz rated value	110 240 V
holding power at AC minimum	28 W
apparent pick-up power of magnet coil at AC	620 VA
apparent holding power of magnet coil at AC	52 VA

operating range factor control supply voltage rated value of	0 1
magnet coil  percental drop-out voltage of magnet coil related to the input	50 %
voltage	
ON-delay time	26 41 ms
OFF-delay time Overload relay	14 19 ms
product function	
overload protection	Yes
phase failure detection	Yes
asymmetry detection	Yes
ground fault detection	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of overload relay	
<ul> <li>for low rotational speed</li> </ul>	50 200 A
for high rotational speed	50 200 A
tripping time at phase-loss 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	5
insulation voltage (Ui)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	200 V
with multi-phase operation at Ao rated value	300 V
Enclosure	300 V
Enclosure design of the housing	indoors, usable on a general basis
Enclosure	
Enclosure design of the housing	
Enclosure  design of the housing  Mounting/wiring	indoors, usable on a general basis
Enclosure  design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side	indoors, usable on a general basis  vertical  Surface mounting and installation  Box lug
Enclosure  design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply	indoors, usable on a general basis  vertical  Surface mounting and installation  Box lug  120 120 lbf-in
Enclosure  design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side	indoors, usable on a general basis  vertical  Surface mounting and installation  Box lug
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design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  type of connectable conductor cross-sections at line-side for  AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply	indoors, usable on a general basis  vertical  Surface mounting and installation  Box lug  120 120 lbf-in  1  75 °C  AL or CU
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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 for AWG cables for auxiliary contacts single or multi-stranded	2
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	10
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	

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Industry Mall (Online ordering system)

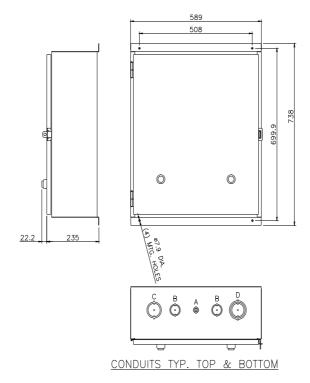
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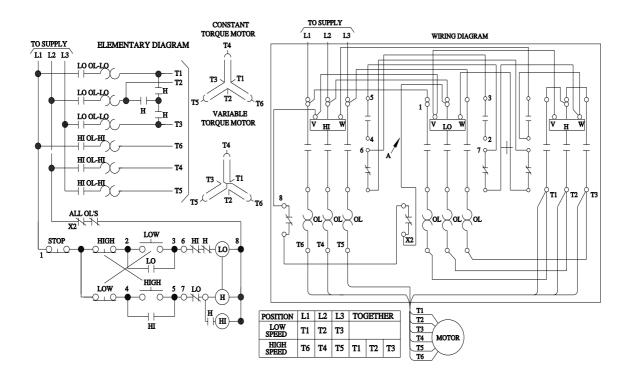
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