SIEMENS

Data sheet

US2:32FUFF92B1V2F



2-speed 3-phase motor starter, Size 2, Two separate windings, Constant or variable torque, Solid-state overload relays, Low Spd OLR range 13-52A, High Spd OLR range 13-52A, 110V 50Hz / 120V 60Hz coil, Combination type, 60A disconnect switch, Enclosure NEMA type 1, Indoor general purpose use

product brand name	Class 32
design of the product	Full-voltage two speed motor starter with non-fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	53 lb
Height x Width x Depth [in]	24 × 20 × 8 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	
• at 200/208 V rated value	10 hp
• at 220/230 V rated value	15 hp
• at 460/480 V rated value	25 hp
• at 575/600 V rated value	25 hp
Contactor	
size of contactor	NEMA controller size 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	45 A
mechanical service life (operating cycles) of the main contacts typical	1000000
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), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 50 Hz rated value	110 V
• at AC at 60 Hz rated value	120 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 OF-delay time 10 24 ms Overload relay read product function Yes • overload protection Yes • asymmetry detection Yes • asymmetry detection Yes • est function Manual, automatic and remote trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of overload relay 13 52 A • for high rotational speed 13 52 A • for high rotational speed 13 52 A inproduct feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1
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UL insulation voltage (Ui) • with single-phase operation at AC rated value 600 V
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Disconnect Switch
response value of switch disconnector 60A / 600V
design of fuse holder non-fusible
operating class of the fuse link non-fusible
Enclosure
design of the housing indoors, usable on a general basis
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 35 35 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded 1x (14 2 AWG)
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 Box lug
tightening torque [lbf·in] for load-side outgoing feeder 45 45 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded 1x (14 2 AWG)
temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible
material of the conductor for load-side outgoing feeder AL or CU
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 for AWG cables single or multi-stranded 2x (16 12 AWG)
temperature of the conductor at magnet coil maximum 75 °C
material of the conductor at magnet coil CU
type of electrical connection at contactor 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 for 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 for 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)
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=US2:32FUFF92B1V2F

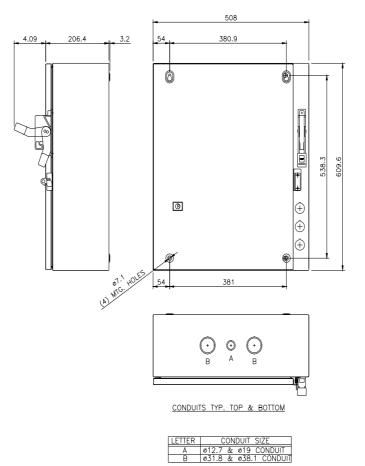
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

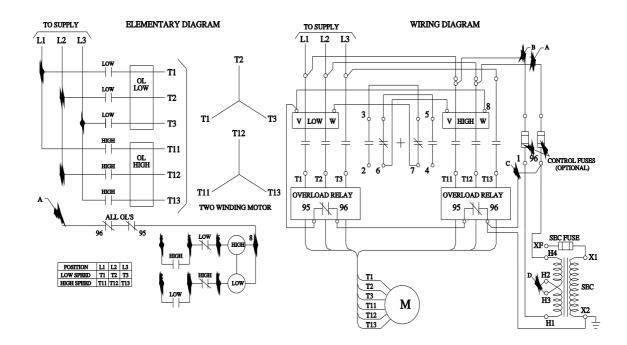
https://support.industry.siemens.com/cs/US/en/ps/US2:32FUFF92B1V2F

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:32FUFF92B1V2F&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:32FUFF92B1V2F/certificate





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