SIEMENS

Data sheet

US2:22EUE32FD



Reversing motor starter, Size 1 3/4, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 208VAC 60Hz coil, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

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and the formed areas	01 00		
product brand name	Class 22		
design of the product	Full-voltage reversing motor starter		
special product feature	ESP200 overload relay; Half-size starter		
General technical data			
weight [lb]	17 lb		
Height x Width x Depth [in]	24 × 15 × 7 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	10 hp		
• at 460/480 V rated value	15 hp		
• at 575/600 V rated value	15 hp		
Contactor			
size of contactor	Controller half size 1 3/4		
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	40 A		
mechanical service life (operating 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	8		
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 60 Hz rated value	208 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	0.85 1.1		
magnet coil			
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		
 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 the current- dependent overload release	10 40 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			
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		
	300 V		
• with multi-phase operation at AC rated value	300 V 4X, fiber glass		
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating design of the housing			
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating	4X, fiber glass		
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating design of the housing	4X, fiber glass dustproof, waterproof & resistant to corrosion Vertical		
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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		
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			

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=US2:22EUE32FD

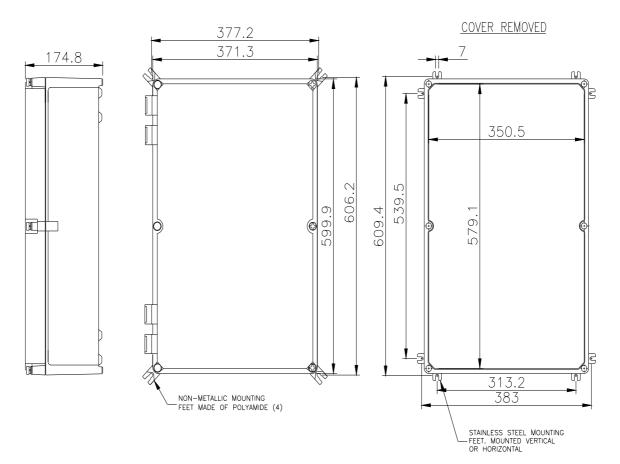
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:22EUE32FD

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:22EUE32FD&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22EUE32FD/certificate





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