## **SIEMENS**

Data sheet US2:22IUH32BF



Reversing motor starter, Size 3 1/2, Three phase full voltage, Solid-state overload relay, OLR amp range 50-200A, 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure

Figure similar

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	Eor 200 Overload Telay, Half-Size Starter
weight [lb]	39 lb
Height x Width x Depth [in]	25 × 14 × 9 in
	NA for enclosed products
touch protection against electrical shock	6560 ft
installation altitude [ft] at height above sea level maximum	0500 It
ambient temperature [°F]	-22 +149 °F
during storage	-4 +104 °F
during operation  ambient temperature	-4 ₹10 <del>4</del> F
ambient temperature	20 LGE °C
during storage	-30 +65 °C -20 +40 °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	30 hp
• at 220/230 V rated value	40 hp
• at 460/480 V rated value	75 hp
at 575/600 V rated value	75 hp
Contactor	
size of contactor	Controller half size 3 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	115 A
mechanical service life (operating cycles) of the main contacts typical	5000000
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	
at AC at 50 Hz rated value	110 V
at AC at 60 Hz rated value	120 V
holding power at AC minimum	14 W

apparent pick up power of magnet soil of AC	040.1/4
apparent pick-up power of magnet coil at AC	310 VA
apparent holding power of magnet coil at AC	26 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	26 41 ms
OFF-delay time	14 19 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	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
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
degree of protection NEMA rating	1
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	Vertical
fastening method	
fastening method  type of electrical connection for supply voltage line-side	Surface mounting and installation
fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply	
type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply	Surface mounting and installation  Box lug
type of electrical connection for supply voltage line-side	Surface mounting and installation  Box lug  120 120 lbf-in
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at	Surface mounting and installation  Box lug  120 120 lbf-in
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CU
Screw-type terminals
7 10 lbf·in
2x (20 14 AWG)
75 °C
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

Industrial Controls - Product Overview (Catalogs, Brochures,...)

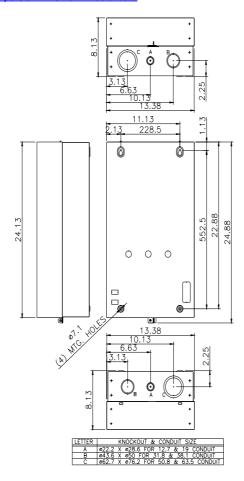
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:22IUH32BF

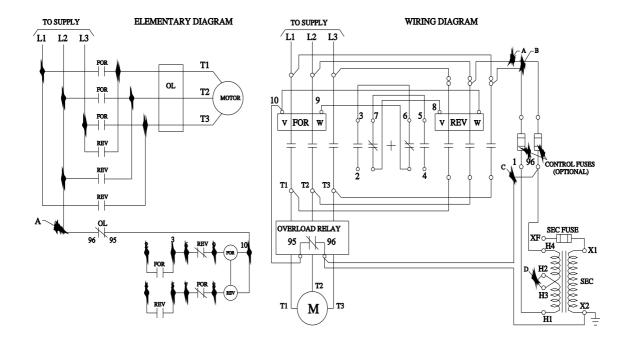
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:22IUH32BF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22IUH32BF&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22IUH32BF&lang=en</a>

Certificates/approvals
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