## SIEMENS

## Data sheet

## US2:22DUA32BA

Reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 0.25-1A, Non-combination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure



Figure similar

Class 22
Full-voltage reversing motor starter
ESP200 overload relay
23 lb
20 × 12 × 8 in
NA for enclosed products
6560 ft
-22 +149 °F
-4 +104 °F
-30 +65 °C
-20 +40 °C
USA
0.17 hp
0.17 hp
0.33 hp
0.5 hp
NEMA controller size 1
3
600 V
27 A
1000000
0
1
8
10A@600VAC (A600), 5A@600VDC (P600)
AC
110 240 V
8.6 W
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	0.00 1.1
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	
<ul> <li>overload protection</li> </ul>	Yes
<ul> <li>phase failure detection</li> </ul>	Yes
<ul> <li>asymmetry detection</li> </ul>	Yes
<ul> <li>ground fault detection</li> </ul>	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	0.25 1 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)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
with multi-phase operation at AC rated value	300 V
	300 V
with multi-phase operation at AC rated value	300 V 1
with multi-phase operation at AC rated value Enclosure	
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating	1
with multi-phase operation at AC rated value     Enclosure     degree of protection NEMA rating     design of the housing	1
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating design of the housing Mounting/wiring	1 indoors, usable on a general basis
with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating design of the housing Mounting/wiring mounting position	1 indoors, usable on a general basis Vertical
with multi-phase operation at AC rated value     Enclosure     degree of protection NEMA rating     design of the housing     Mounting/wiring     mounting position     fastening method	1 indoors, usable on a general basis Vertical Surface mounting and installation
with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side	1 indoors, usable on a general basis Vertical Surface mounting and installation Screw-type terminals
with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating 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 at	1 indoors, usable on a general basis Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in
with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating 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 at AWG cables single or multi-stranded	1 indoors, usable on a general basis Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x (14 2 AWG)
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with multi-phase operation at AC rated value     Enclosure     degree of protection NEMA rating     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 at     AWG cables single or multi-stranded     temperature of the conductor for supply maximum permissible     material of the conductor for load-side outgoing feeder     tightening torque [lbf-in] for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection of magnet coil     type of electrical connection of magnet coil     type of connectable conductor cross-sections of magnet coil at     AWG cables single or multi-stranded	1         indoors, usable on a general basis         Vertical         Surface mounting and installation         Screw-type terminals         35 35 lbf in         1x (14 2 AWG)         75 °C         AL or CU         Screw-type terminals         20 24 lbf in         2x (14 10 AWG)         75 °C         CU         Screw-type terminals         5 12 lbf in         2x (16 12 AWG)
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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=US2:22DUA32BA

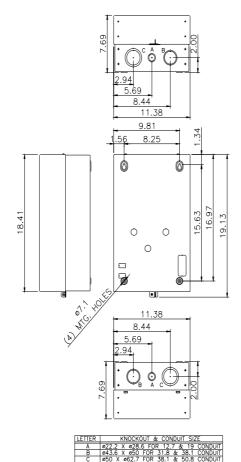
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:22DUA32BA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22DUA32BA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22DUA32BA/certificate





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