## **SIEMENS**

Data sheet US2:17DUC92NH



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLRelay amp range 3-12a, 380 440/440 480V 50/60HZ coil, Combination type, 30Amp non-fusible disconnect Enclosure NEMA type 4/12, Water/dust tight for outdoors, Standard width enclosure

product brand name	Class 17 & 25
design of the product	Full-voltage non-reversing motor starter with non-fusible disconnect
special product feature	ESP200 overload relay
General technical data	·
Height x Width x Depth [in]	24 × 11 × 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
<ul> <li>during operation</li> </ul>	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
<ul> <li>during operation</li> </ul>	-20 +40 °C
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
<ul><li>at 200/208 V rated value</li></ul>	2 hp
<ul><li>at 220/230 V rated value</li></ul>	2 hp
<ul><li>at 460/480 V rated value</li></ul>	5 hp
<ul><li>at 575/600 V rated value</li></ul>	5 hp
Contactor	
size of contactor	NEMA controller size 1
number of NO contacts for main contacts	3
operational current at AC at 600 V rated value	27 A
mechanical service life (operating cycles) of the main contacts typical	10000000
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	345VA@115VAC / 768VA@240VAC
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 50 Hz rated value	380 440 V
at AC at 60 Hz rated value	440 480 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	50 %

voltage	
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	10 2+ III0
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	3 12 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	1A
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>	300 V
Disconnect Switch	
response value of switch disconnector	30
design of fuse holder	non-fusible
	non fiveible
operating class of the fuse link	non-fusible
operating class of the fuse link  Enclosure	non-iusible
	4
Enclosure	
Enclosure degree of protection NEMA rating	4
Enclosure  degree of protection NEMA rating  design of the housing	4
Enclosure degree of protection NEMA rating design of the housing Mounting/wiring	4 dustproof, waterproof & weatherproof
Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring mounting position	4 dustproof, waterproof & weatherproof vertical
Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring mounting position fastening method	4 dustproof, waterproof & weatherproof  vertical  Surface mounting and installation
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 for AWG cables single or multi-stranded	dustproof, waterproof & weatherproof  vertical  Surface mounting and installation  Box lug  35 35 lbf-in  1
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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 for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	4 dustproof, waterproof & weatherproof  vertical Surface mounting and installation Box lug 35 35 lbf-in 1 75 °C AL or CU
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maximum permissible	
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	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
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17DUC92NH

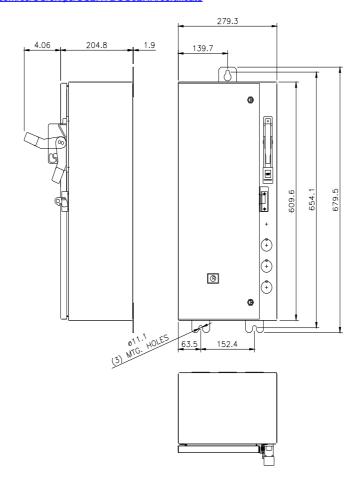
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

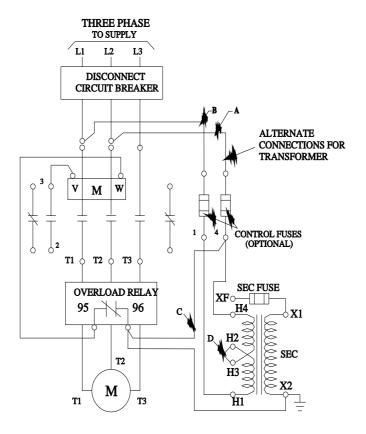
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17DUC92NH&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17DUC92NH&lang=en</a>

Certificates/approvals

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