## **SIEMENS**

Data sheet US2:17DUA82NS



Non-reversing motor starter Size 1 Three phase full voltage Solid-state overload relay OLRelay amp range 0.25-1A 24Vdc coil Combination type 30Amp non-fusible disconnect Enclosure NEMA type 4/12 Water/dust tight weather proof Extra-wide enclosure

Figure similar

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	Est 200 overload tolay
	24 × 20 × 8 in
Height x Width x Depth [in]	
touch protection against electrical shock	(NA for enclosed products) 6560 ft
installation altitude [ft] at height above sea level maximum ambient temperature [°F]	0300 it
during storage	-22 +149 °F
during storage     during operation	-4 +104 °F
ambient temperature	- <del></del>
during storage	-30 +65 °C
during operation	-20 +40 °C
Horsepower ratings	20 140 0
yielded mechanical performance [hp] for 3-phase AC	
motor	
<ul> <li>at 200/208 V rated value</li> </ul>	0.17 hp
<ul> <li>at 220/230 V rated value</li> </ul>	0.17 hp
<ul> <li>at 460/480 V rated value</li> </ul>	0.33 hp
● at 575/600 V rated value	0.5 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 (switching 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	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	DC
control supply voltage	
at DC rated value	24 V
holding power at AC minimum	0 W
apparent pick-up power of magnet coil at AC	163 VA
apparent holding power of magnet coil at AC	5.5 VA

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operating range factor control supply voltage rated value	0.85 1.1
of magnet coil	
percental drop-out voltage of magnet coil related to the input voltage	25 %
ON-delay time	21 21 ms
OFF-delay time	11 11 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-	0.25 1 A
dependent overload release	
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
Disconnect Switch	
response value of switch disconnector	30A / 600V
design of fuse holder	non-fusible
operating class of the fuse link	non-fusible
Enclosure	
degree of protection NEMA rating	4, 12
design of the housing	Extra-wide
design of the housing	dustproof, waterproof & weatherproof
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 at 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	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	20 24 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded	2x (14 10 AWG)
temperature of the conductor for load-side outgoing feeder	
maximum permissible	75 °C
maximum permissible material of the conductor for load-side outgoing feeder	75 °C CU

2x (16 12 AWG)
75 °C
CU
Screw-type terminals
10 15 lbf·in
1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
75 °C
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)
NEMA ICS 2; UL 508; CSA 22.2, No.14

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

www.usa.siemens.com/iccatalog

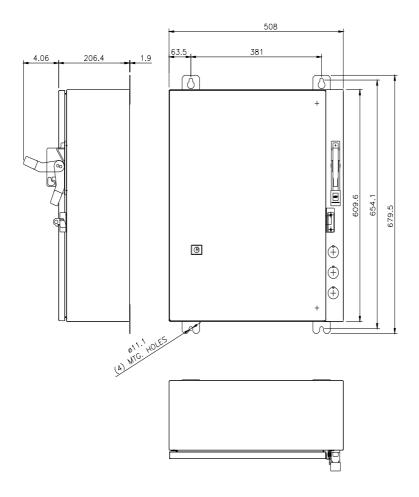
Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17DUA82NS">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17DUA82NS</a>

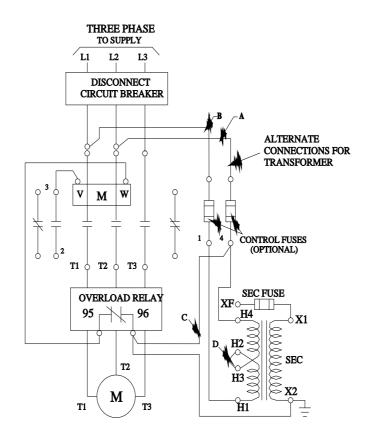
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:17DUA82NS

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=US2:17DUA82NS&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17DUA82NS&lang=en</a>

Certificates/approvals

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last modified: 1/25/2022 🖸