## **SIEMENS**

Data sheet US2:17DUC82BJ10



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 3-12A, 24VAC 50-60Hz coil, Combination type, 30A fusible disconnect, 30A/250V fuse clip, Enclosure NEMA type 1, Indoor general purpose use, Extra-wide enclosure

Figure similar

product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	47 lb
Height x Width x Depth [in]	24 × 20 × 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]	
<ul> <li>during storage</li> </ul>	-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	
<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>	0 hp
<ul><li>at 575/600 V rated value</li></ul>	0 hp
Contactor	
size of contactor	NEMA controller size 1
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	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	AC
control supply voltage	

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according to UL  insulation voltage (Ui)  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  300 V  Disconnect Switch  response value of switch disconnector  design of fuse holder  operating class of the fuse link  Class R  Enclosure  degree of protection NEMA rating  design of the housing  mounting position  fastening method  type of electrical connection for supply voltage 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  type of connectable conductor for supply  AL or CU  type of electrical connection for load-side outgoing feeder  type of connectable conductor for supply maximum  permissible  material of the conductor for supply maximum  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG  cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder	• at DC at 250 V	1 A
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with multi-phase operation at AC rated value    Disconnect Switch	insulation voltage (Ui)	
response value of switch disconnector  design of fuse holder  operating class of the fuse link  Class R  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 at AWG cables single or multi-stranded  temperature of the conductor for supply  type of connectable conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder  type of connectable conductor for supply  AL or CU  type of connectable conductor for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder  75 °C	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
response value of switch disconnector  design of fuse holder  operating class of the fuse link  Class R  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  at AWG cables single or multi-stranded  temperature of the conductor for supply  type of connectable conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder	<u> </u>	300 V
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design of the housing    Mounting/wiring   mounting position   vertical	Enclosure	
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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 cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  Surface mounting and installation  Box lug  1x (14 2 AWG)  1x (14 2 AWG)  AL or CU  Screw-type terminals  1x (14 2 AWG)  1x (14 2 AWG)  1x (14 2 AWG)	Mounting/wiring	
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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 supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder  75 °C	type of electrical connection for supply voltage line-side	Box lug
at AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  75 °C	tightening torque [lbf·in] for supply	35 35 lbf·in
permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  AL or CU  Screw-type terminals  1x (14 2 AWG)  1x (14 2 AWG)		1x (14 2 AWG)
type of electrical connection for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  Screw-type terminals  35 35 lbf·in  1x (14 2 AWG)  75 °C		75 °C
tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder  75 °C	material of the conductor for supply	AL or CU
tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder  75 °C		Screw-type terminals
cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder  75 °C		35 35 lbf·in
temperature of the conductor for load-side outgoing feeder 75 °C	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	1x (14 2 AWG)
	temperature of the conductor for load-side outgoing feeder	75 °C

material of the conductor for load-side outgoing feeder	AL or CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (16 12 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
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)
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
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=US2:17DUC82BJ10

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

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUC82BJ10

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=US2:17DUC82BJ10&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17DUC82BJ10&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUC82BJ10/certificate

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