# **SIEMENS**

Data sheet US2:17DUE82XG10



Non-reversing motor starter Size 1 Three phase full voltage Solidstate overload relay OLRelay amp range 10-40a Combination type 30Amp fusible disconnect 30Amp / 250V fuse clip Encl NEMA type 4X 316 S-steel Water/dust tight non-corrosive 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]	48 lb
Height x Width x Depth [in]	24 × 20 × 8 in
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 maximum</li> </ul>	149 °F
<ul> <li>during operation maximum</li> </ul>	104 °F
Ambient temperature	
<ul> <li>during storage maximum</li> </ul>	65 °C
<ul> <li>during operation maximum</li> </ul>	40 °C
Country of origin	USA

Horsepower ratings

Yielded mechanical performance [hp] for three-phase AC motor	
• at 200/208 V rated value	7.5 hp
• at 220/230 V rated value	7.5 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	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
Operating current at AC at 600 V rated value	27 A
Mechanical service life (switching cycles) of the main contacts typical	1000000

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	
• at AC at 50 Hz rated value	190 220 V
• at AC at 60 Hz rated value	220 240 V
Holding power at AC minimum	8.6 W
Apparent pick-up power of magnet coil at AC	218 V·A
Apparent holding power of magnet coil at AC	25 V·A
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 %
Switch-on delay time	19 29 ms
Off-delay time	10 24 ms

# Overload relay Product function Overload protection Phase failure detection Phase unbalance Ground fault detection Yes Yes Yes

Reset function Manual, automatic and remote Trip class Class 5 / 10 / 20 (factory set) / 30 Adjustable pick-up value current of the current-dependent overload release Trip time at phase-loss maximum 3 s Relative repeat accuracy 1 % Product feature Protective coating on printed-circuit board Number of NC contacts of auxiliary contacts of overload relay Number of NC contacts of auxiliary contacts of overload relay Number of NC contacts of auxiliary contacts of overload relay Operating current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V 1 A Contact rating of auxiliary contacts of overload relay according to U. Insulation voltage • with single-phase operation at AC rated value • with multi-phase operation at AC rated value  Disconnect Switch Rated response values of switch disconnector Design of fuse holder Operating class of the fuse link Class R  Enclosure  Degree of protection NEMA rating of the enclosure Degree of protection NEMA rating of the enclosure Degree of protection NEMA rating of the enclosure Degree of protection NEMA rating of the enclosure Degree of protection NEMA rating of the enclosure Degree of protection NEMA rating of the enclosure Degree of protection NEMA rating of the enclosure Design of the housing  Mounting type  Type of electrical connection for supply voltage lineside at AWG conductor cross-sections at lineside at AWG conductor for supply maximum permissible  Material of the conductor for supply maximum permissible  Material of the conductor for supply auximum permissible  Material of the conductor for supply auximum permissible  Material of the conductor for supply reserved.	Test function	Yes
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Design of the housing  Mounting/wiring  Mounting position  Mounting type  Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded  Temperature of the conductor for supply  Material of the conductor for supply  AL or CU  Type of electrical connection for load-side outgoing  Screw-type terminals	Enclosure	
Mounting position  Mounting type  Surface mounting and installation  Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded  Temperature of the conductor for supply maximum permissible  Material of the conductor for supply  AL or CU  Type of electrical connection for load-side outgoing  Screw-type terminals	Degree of protection NEMA rating of the enclosure	NEMA 4X 316 stainless steel enclosure
Mounting position  Mounting type  Surface mounting and installation  Type of electrical connection for supply voltage lineside  Tightening torque [lbf·in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors 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  Vertical  Surface mounting and installation  Box lug  1x (14 2 AWG)  1x (14 2 AWG)  AL or CU  Type of electrical connection for load-side outgoing  Screw-type terminals	Design of the housing	Dust-tight, watertight & corrosion resistant
Mounting position  Mounting type  Surface mounting and installation  Type of electrical connection for supply voltage lineside  Tightening torque [lbf·in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors 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  Vertical  Surface mounting and installation  Box lug  1x (14 2 AWG)  1x (14 2 AWG)  AL or CU  Type of electrical connection for load-side outgoing  Screw-type terminals	Mounting/wiring	
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side at AWG conductors 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  Screw-type terminals	Tightening torque [lbf·in] for supply	35 35 lbf·in
side at AWG conductors 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  Screw-type terminals		1x (14 2 AWG)
permissible  Material of the conductor for supply  Type of electrical connection for load-side outgoing  Screw-type terminals		
Type of electrical connection for load-side outgoing  Screw-type terminals		75 °C
	Material of the conductor for supply	AL or CU
		Screw-type terminals

Tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	1x (14 2 AWG)
Temperature of the conductor for load-side outgoing feeder maximum permissible	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 conductors 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 conductors 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 conductors 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	10kA@600V (Class H or K); 100kA@600V (Class R or J)
the main circuit required	
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)

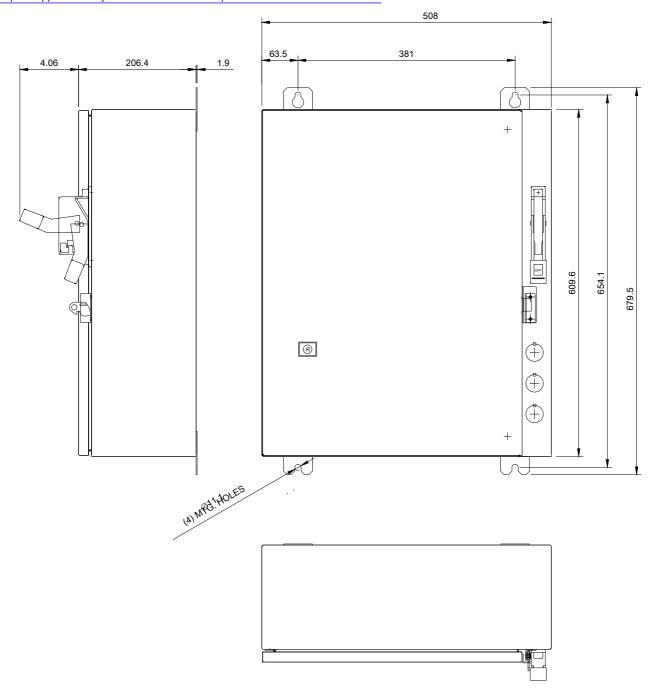
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17DUE82XG10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:17DUE82XG10

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=US2:17DUE82XG10&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17DUE82XG10&lang=en</a>

## Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUE82XG10/certificate





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