SIEMENS

Data sheet US2:87DUE6MC

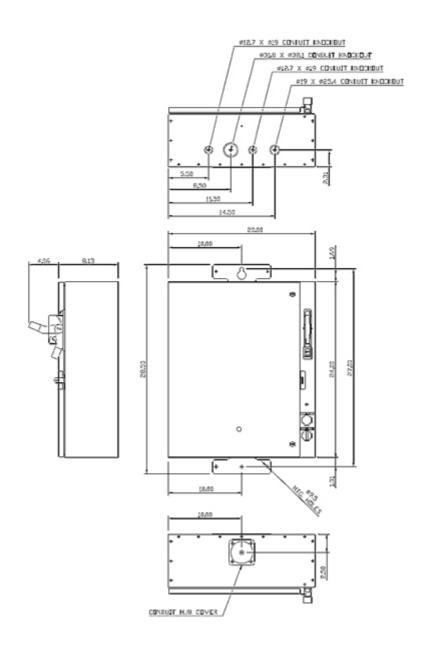


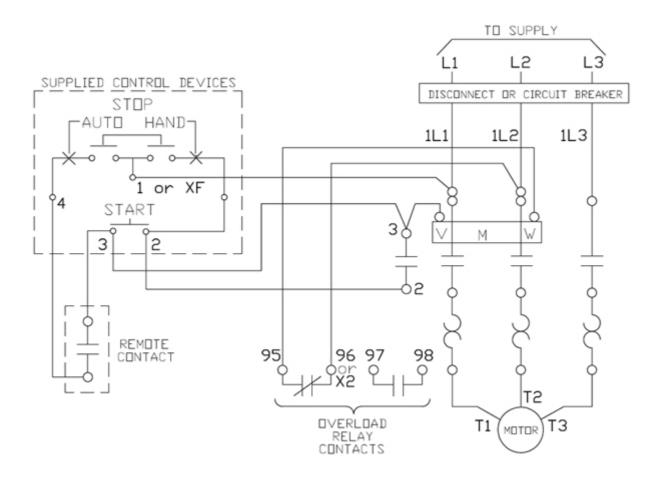
Pump control panel, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 220-240/440-480VAC 60Hz coil, Standard type contactor, 30A circuit breaker, HOA Sel Sw. <(>&<)> Start P.B., Enclosure NEMA type 3/3R, Weather proof outdoor use

product brand name	Class 87
design of the product	Pump control panel with MCP
special product feature	ESP200 overload relay; Dual voltage coil
General technical data	
weight [lb]	47 lb
Height x Width x Depth [in]	29 × 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]	
during storage	-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	
• at 200/208 V rated value	7.5 hp
• at 220/230 V rated value	7.5 hp
• at 460/480 V rated value	10 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
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)

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product function		10 24 ms
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contact rating of auxiliary contacts of overload relay according to UL insulation voltage • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value 600 V	at AC at 600 V	5 A
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with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value MEMA 3/3R		5A@600VAC (B600), 1A@250VDC (R300)
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design of the housing Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring mounting position fastening method type of connectable conductor cross-sections at line-side Weather proof for outdoor use Yes 30mm metal housing with chrome finish Motor circuit protector (magnetic trip only) 30 A 80 270 A Surface mounting and installation type of electrical connection for supply voltage line-side 1x (10 AWG 1/0 AWG)	Enclosure	
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product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring mounting position fastening method type of connectable conductor cross-sections at line-side Yes 30mm metal housing with chrome finish Motor circuit protector (magnetic trip only) 80 270 A 80 270 A Surface mounting and installation Box lug 1x (10 AWG 1/0 AWG)	design of the housing	Weather proof for outdoor use
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type of start push button Circuit Breaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring mounting position type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side 30 A 80 270 A Vertical Surface mounting and installation Box lug type of connectable conductor cross-sections at line-side 1x (10 AWG 1/0 AWG)	product component start push button	
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Mounting/wiring Vertical mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug type of connectable conductor cross-sections at line-side 1x (10 AWG 1/0 AWG)	adjustable current response value current of	80 270 A
mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side type of connectable conductor cross-sections at line-side 1x (10 AWG 1/0 AWG)		
fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side 1x (10 AWG) 1/0 AWG)		Vertical
type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side 1x (10 AWG 1/0 AWG)		
type of connectable conductor cross-sections at line-side 1x (10 AWG 1/0 AWG)		
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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	35 35 lbf·in
type of connectable conductor cross-sections at AWG cables 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 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 at contactor 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 short-circuit trip	Instantaneous trip circuit breaker
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	100 kA
• at 480 V	100 kA
● at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508
Further information	





last modified: 4/27/2021 **C**