SIEMENS

Data sheet US2:87DUD6FH



Pump control panel, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, 380-440/440-480V 50/60Hz coil, Standard type contactor, 30A fusible disconnect, 30A/600V fuse clip, HOA Sel Sw. <(>&<)> Start P.B., Enclosure NEMA type 3/3R, Weather proof outdoor use

Figure similar

	control panel with fused disconnect switch 00 overload relay
· · ·	00 overload relay
General technical data	
weight [lb] 47 lb	
Height x Width x Depth [in] 29 × 2	20 × 8 in
touch protection against electrical shock NA for	r enclosed products
installation altitude [ft] at height above sea level maximum 6560 f	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 0 hp	
• at 220/230 V rated value 0 hp	
• at 460/480 V rated value 10 hp	
• at 575/600 V rated value 10 hp	
Contactor	
size of contactor NEMA	A 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	0000
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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type of start push button 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 at AWG cables single or multi-stranded temperature of the conductor for supply material of the conductor for supply 30mm metal housing with matte finish Vertical Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU	type of Hand-Off-Auto selector switch	30mm metal housing with matte finish
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	product component start push button	Yes
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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 connectable conductor cross-sections at line-side	
117	temperature of the conductor for supply maximum	75 °C
type of electrical connection for load-side outgoing feeder Screw-type terminals	material of the conductor for supply	AL or CU
	type of electrical connection for load-side outgoing feeder	Screw-type terminals

	05 05 11 5
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 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
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=US2:87DUD6FH

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:87DUD6FH

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:87DUD6FH&lang=en

Certificates/approvals

 $\underline{https://support.industry.siemens.com/cs/US/en/ps/US2:87DUD6FH/certificate}$

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