SIEMENS

US2:87DUD6LF **Data sheet**



Figure similar

Pump control panel, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, 110V 50Hz / 120V 60Hz coil, Standard type contactor, 30A fusible disconnect, 30A/250V fuse clip, 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 fused disconnect switch
special product feature	ESP200 overload relay
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	3 hp
 at 220/230 V rated value 	3 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	240 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	

* an AC at 50 Hz rated value * 110 110 V * 110 V * 120 120 V * 110 V * 120 120 V * 110 V * 120 120 120 V * 120 120 120 V * 120 120 120 V * 120	at DC rated value	0 0 V
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ON-delay time	percental drop-out voltage of magnet coil related to the	50 %
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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 AL or CU	type of Hand-Off-Auto selector switch	30mm metal housing with matte finish
Mounting/wiring 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
mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side 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 temperature of the conductor for supply maximum permissible material of the conductor for supply AL or CU	type of start push button	30mm metal housing with matte finish
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 supply Surface mounting and installation Box lug 1x (14 2 AWG) 75 °C AL or CU	Mounting/wiring	
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at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply AL or CU	tightening torque [lbf·in] for supply	35 35 lbf·in
permissible material of the conductor for supply AL or CU		1x (14 2 AWG)
		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=US2:87DUD6LF

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

https://support.industry.siemens.com/cs/US/en/ps/US2:87DUD6LF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:87DUD6LF&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:87DUD6LF/certificate

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