SIEMENS

Data sheet

US2:88HUGP2MG

	Reduced voltage pump panel, Two step part winding, Size 3, 230V 3-phase motor voltage, Solid-state overload relay, OLR amp range 25-100A, 190-220/220-240V
	50/60Hz coil, 150A circuit breaker, HOA Sel Sw. <(>&<)> Start P.B., Enclosure NEMA type 3/3R, Weather proof outdoor use
product brand name	Class 88
design of the product	Reduced voltage pump panel with MCP - Two step part winding
special product feature	ESP200 overload relay
General technical data	
	168 lb
weight [lb]	
Height x Width x Depth [in]	55 × 28 × 11 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	00 440 %
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	50 hp
• at 460/480 V rated value	0 hp
● at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 3
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	230 V
operational current at AC at 600 V rated value	90 A
mechanical service life (operating cycles) of the main contacts typical	500000
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	7
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 DC rated value	0 0 V
• 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	14 W
apparent pick-up power of magnet coil at AC	310 VA
apparent holding power of magnet coil at AC	26 VA
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 %
ON-delay time	26 41 ms
OFF-delay time	14 19 ms
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AWG cables for auxiliary contacts single or multi-stranded 75 °C 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 contactor for auxiliary contacts	10 15 lbf·in
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type of electrical connection at overload relay for auxiliary contacts Screw-type terminals		75 °C
contacts	material of the conductor at contactor for auxiliary contacts	CU
tightening torque [lbf-in] at overload relay for auxiliary contacts 7 10 lbf-in		Screw-type terminals
	contacto	· · · · · · · · · · · · · · · · · · ·

type of connectable conductor cross-sections at overload relay for 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	
maximum short-circuit current breaking capacity (Icu)		
• at 240 V	100 kA	
• at 480 V	100 kA	
• at 600 V	25 kA	
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14	
Further information		
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