SIEMENS

Data sheet

US2:88FUFT4MH

	Reduced voltage pump panel, Auto transformer, Size 2, 460V 3-phase motor voltage, Solid-state overload relay, OLR amp range 13-52A, 380-440/440-480V 50/60Hz coil, 50A 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 - Auto transformer
special product feature	ESP200 overload relay
General technical data	
weight [lb]	186 lb
Height x Width x Depth [in]	43 × 24 × 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]	
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	25 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 2
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	460 V
operational current at AC at 600 V rated value	45 A
mechanical service life (operating 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	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	380 440 V
• at AC at 60 Hz rated value	440 480 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 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	19 29 ms
OFF-delay time	10 24 ms
Overload relay	

product module Yes • ending protection Yes • symmetry detecton Yes • symmetry detecton Yes • symmetry detecton Yes • symmetry detecton Yes • staf handon Yes • set function Manual automatic and remote Trp data CLASS 5 / 10 (tackory set) / 20 / 30 digitabile current response value current of the current- 1% digitabile current response value current of the current- 1% restor response value current of the current- 1% restor response value current of the current- 1% restor response value current of autointry contacts of overload relay 1 rumber of Aux Currents of auxaintry contacts of overload relay 1 restor of auxiatry contacts of overload relay 1 everload relay of auxiatry contacts of overload relay 10 restaf trang of auxiatry contacts of overload relay 10 restaf trang of auxiatry contacts of overload relay 10 restaf trang of auxiatry contacts of overload relay 10 restaf trang of auxiatry contacts of auxiatry contacts of auxiatry contacts of auxiatry co	product function	-
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type of electrical connection at overload relay for auxiliary contacts Screw-type terminals		
contacts		75 °C
tightening torque [lbf-in] at overload relay for auxiliary contacts 7 10 lbf-in	maximum permissible	
	maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary	CU

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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