SIEMENS

Data sheet US2:82ADE6FAG



Slim Line Pump Control Panel NEMA size 1 Three phase full voltage Solid-state overload relay OLR amp range 10-40A 220/230V 50/60Hz Coil 30A fusible disconnect 30A/250V fuse clip 1NC / 1NO auxiliary contacts HOA Sel. Sw. <(>&<)> Start/Stop 3-point power terminal block 3-point control terminal block 3-point ground lug Enclosure NEMA type 3/3R Weather proof outdoor use

product brand name	Class 82	
design of the product	Slim Line NEMA pump panel	
special product feature	ESP200 overload relay	
General technical data		
weight [lb]	23 lb	
Height x Width x Depth [in]	26 × 12 × 5 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	Mexico	
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	7.5 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	32 A	
mechanical service life (operating cycles) of the main contacts typical	10000000	
Auxiliary contact		
number of NC contacts at contactor for auxiliary contacts	1	
number of NO contacts at contactor for auxiliary contacts	1	
number of total auxiliary contacts maximum	4	
contact rating of auxiliary contacts of contactor according to UL	A600 AC / Q600 DC	
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	220 230 V	
at AC at 60 Hz rated value	220 230 V	
apparent pick-up power of magnet coil at AC	81 VA	

operating range factor control supply voltage rated value of	0.85 1.1
percental drop-out voltage of magnet coil related to the input	55 %
voltage ON delay time	9 40 mg
ON-delay time OFF-delay time	8 40 ms 4 16 ms
Overload relay	4 10 III3
product function	
overload protection	Yes
phase failure detection	Yes
asymmetry detection	Yes
ground fault detection	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 (factory set) / 20 / 30
adjustable current response value current of the current- dependent overload release	10 40 A
tripping time at phase-loss maximum	3 s
relative repeat accuracy	1 %
product feature protective coating on printed-circuit board	Yes
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
 with multi-phase operation at AC rated value 	300 V
Disconnect Switch	
Disconnect Switch	30.0 / 250.0
response value of switch disconnector	30A / 250V
response value of switch disconnector design of fuse holder	Class H fuse clips
response value of switch disconnector design of fuse holder operating class of the fuse link	
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure	Class H fuse clips Class H, K and R
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design of the fuse link for short-circuit protection of the main circuit required certificate of suitability 10kA@600V (Class H or K); 100kA@600V (Class R or J) NEMA ICS 2; UL 508		CU
circuit required certificate of suitability NEMA ICS 2; UL 508	Short-circuit current rating	
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Further information	certificate of suitability	NEMA ICS 2; UL 508
	Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...)

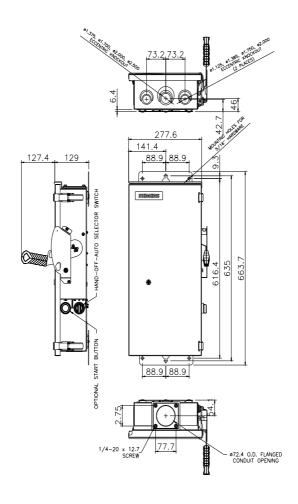
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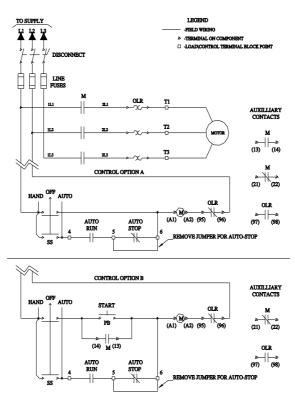
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:82ADE6FAG

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:82ADE6FAG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:82ADE6FAG&lang=en

Certificates/approvals
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