SIEMENS

## Data sheet US2:82ADC6FBH

Figure similar

Slim Line Pump Control Panel NEMA size 1 Three phase full voltage Solid-state overload relay OLR amp range 3-12A 460VAC 60Hz Coil 30A fusible disconnect 30A/600V 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

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|---|---|
| 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 | 0 hp |
| ● at 460/480 V rated value | 5 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 | 600 V |
| operational current at AC at 600 V rated value | 32 A |
| mechanical service life (switching 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 | |

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| ● at DC rated value | 0 ... 0 V |
| ● at AC at 50 Hz rated value | 0 ... 0 V |
| ● at AC at 60 Hz rated value | 460 ... 460 V |
| apparent pick-up power of magnet coil at AC | 81 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 | 55 % |
| ON-delay time | 8 ... 40 ms |
| OFF-delay time | 4 ... 16 ms |
| **Overload relay** | |
| 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 | 3 ... 12 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** | |
| response value of switch disconnector | 30A / 600V |
| design of fuse holder | Class H fuse clips |
| operating class of the fuse link | Class H, J (retrofittable), K and R |
| **Enclosure** | |
| degree of protection NEMA rating of the enclosure | NEMA Type 3R |
| design of the housing | Weather proof for outdoor use |
| **Standard Control Devices** | |
| product component Hand-Off-Auto selector switch | Yes |
| type of Hand-Off-Auto selector switch | 30mm metal housing with matte finish |
| product component start push button | Yes |
| type of start push button | 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 |
| type of electrical connection of magnet coil | Screw-type terminals |
| tightening torque [lbf·in] at magnet coil | 7 ... 10 lbf·in |

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| 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 | 7 ... 10 lbf·in |
| type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded | 2x (20 ... 16 AWG), 2x (18 ... 14 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 |
| type of electrical connection for load-side outgoing feeder with screw-type terminals | Screw-type terminals |
| tightening torque [lbf·in] for load-side outgoing feeder with screw-type terminals | 24 ... 32 lbf·in |
| type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multi-stranded | 1x (18 ... 2 AWG) |
| temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible | 75 °C |
| material of the conductor for load-side outgoing feeder with screw-type terminals | CU |
| type of electrical connection for control connection with screw-type terminals | Screw-type terminals |
| tightening torque [lbf·in] for control connection with screw-type terminals | 12 ... 18 lbf·in |
| type of connectable conductor cross-sections at AWG cables for control connection with screw-type terminals single or multi-stranded | 1x (22 ... 8 AWG) |
| temperature of the conductor for control connection with screw-type terminals maximum permissible | 75 °C |
| material of the conductor for control connection with screw-type terminals | 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=US2:82ADC6FBH
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/US/en/ps/US2:82ADC6FBH
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:82ADC6FBH&lang=en
**Certificates/approvals**
https://support.industry.siemens.com/cs/US/en/ps/US2:82ADC6FBH/certificate

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