



Figure similar

Pump control panel, Size 1 3/4, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 110-120/220-240VAC 60Hz coil, Standard type contactor, 30A fusible disconnect, 30A/600V fuse clip, HOA Sel Sw. <(>&<> Start P.B., Enclosure NEMA type 3/3R, Weather proof outdoor use

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|---|--|
| product brand name | Class 87 |
| design of the product | Pump control panel with fused disconnect switch |
| special product feature | Half-size controller; ESP200 overload relay; Dual voltage coil |
| 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 | 0 hp |
| • at 220/230 V rated value | 0 hp |
| • at 460/480 V rated value | 15 hp |
| • at 575/600 V rated value | 15 hp |
| Contactors | |
| size of contactor | Controller half size 1 3/4 |
| 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 | 40 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 | |

| | |
|---|--------------------------------------|
| <ul style="list-style-type: none"> • at DC rated value | 0 ... 0 V |
| <ul style="list-style-type: none"> • at AC at 50 Hz rated value | 0 ... 0 V |
| <ul style="list-style-type: none"> • at AC at 60 Hz rated value | 110 ... 240 V |
| holding power at AC minimum | 8.6 W |
| apparent pick-up power of magnet coil at AC | 218 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 function | |
| <ul style="list-style-type: none"> • overload protection | Yes |
| <ul style="list-style-type: none"> • phase failure detection | Yes |
| <ul style="list-style-type: none"> • asymmetry detection | Yes |
| <ul style="list-style-type: none"> • ground fault detection | Yes |
| <ul style="list-style-type: none"> • test function | Yes |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • at AC at 600 V | 5 A |
| <ul style="list-style-type: none"> • 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) | |
| <ul style="list-style-type: none"> • with single-phase operation at AC rated value | 600 V |
| <ul style="list-style-type: none"> • with multi-phase operation at AC rated value | 300 V |
| Disconnect Switch | |
| response value of switch disconnecter | 30A / 600V |
| design of fuse holder | Class H fuse clips |
| operating class of the fuse link | Class H, J (retrofitable), 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 for load-side outgoing feeder | Screw-type terminals |

