SIEMENS

Data sheet

US2:14DUE32BA

Non-reversing motor starter Size 1 Three phase full voltage Solidstate overload relay OLRelay amp range 10-40a 110-120/220-240VAC 60HZ coil Combination type Indoor general purpose use



Figure similar

| General technical data | |
|--|----------------------------|
| Weight [lb] | 8 lb |
| Height x Width x Depth [in] | 11 × 7 × 5 in |
| 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 |
| Ambient temperature [°F] during operation | -4 +104 °F |
| Ambient temperature during storage | -30 +65 °C |
| Ambient temperature during operation | -20 +40 °C |
| Country of origin | USA |
| Horsepower ratings | |
| Yielded mechanical performance [hp] for three-phase | |
| AC motor | |
| • at 200/208 V rated value | 7.5 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

| • at 575/600 V rated value | 0 hp |
|---|--------------------------------------|
| Contactor | |
| Number of NO contacts for main contacts | 3 |
| Operating voltage for main current circuit at AC at 60 | 600 V |
| Hz maximum | |
| Operating current at AC at 600 V rated value | 27 A |
| Mechanical service life (switching cycles) of the main | 1000000 |
| contacts typical | |
| Auxiliary contact | |
| Number of NC contacts at contactor for auxiliary | 0 |
| contacts | |
| Number of NO contacts at contactor for auxiliary | 1 |
| contacts | |
| Number of total auxiliary contacts maximum | |
| 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 60 Hz rated value | 110 240 V |
| • at AC at 50 Hz rated value | 0 0 V |
| Holding power at AC minimum | 8.6 W |
| Apparent pick-up power of magnet coil at AC | 218 V·A |
| Apparent holding power of magnet coil at AC | 25 V·A |
| Operating range factor control supply voltage rated value of magnet coil | 0.85 1.1 |
| Percental drop-out voltage of magnet coil related to | 50 % |
| the input voltage | |
| Switch-on delay time | 19 29 ms |
| Off-delay time | 10 24 ms |
| Overload relay | |
| Product function | |
| Overload protection | Yes |
| Phase failure detection | Yes |
| Phase unbalance | Yes |
| Ground fault detection | Yes |
| Test function | Yes |
| External reset | Yes |
| Reset function | Manual, automatic and remote |
| Trip class | Class 5 / 10 / 20 (factory set) / 30 |
| | |

| Adjustable pick-up value current of the current- dependent overload release 10 40 A Trip 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 NC contacts of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A Contact raing of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) according to UL Insulation voltage 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Enclosure Enclosure Design of the housing Indoor general purpose use Mounting type Surface mounting and installation Type of electrical connection for supply voltage line- side 35 L35 Ibf in Type of electrical connection for load-side outgoing feeder 35 L35 Ibf in Type of electrical connection for load-side outgoing feeder 35 L35 Ibf in Type of electrical connection for load-side outgoing feeder 35 L35 Ibf in Type of electrical c | | |
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| Tightening torque [lbf·in] at magnet coil | 5 12 lbf in |
|---|---|
| Type of connectable conductor cross-sections of | 2 x (16 - 12 AWG) |
| magnet coil at AWG conductors single or multi- | |
| stranded | |
| Temperature of the conductor at magnet coil | 75 °C |
| maximum permissible | |
| Material of the conductor at magnet coil | CU |
| Type of electrical connection for auxiliary contacts | screw-type terminals |
| Tightening torque [lbf·in] at contactor for auxiliary | 10 15 lbf·in |
| contacts | |
| Type of connectable conductor cross-sections at | 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) |
| contactor at AWG conductors for auxiliary contacts | |
| single or multi-stranded | |
| Temperature of the conductor at contactor for | 75 °C |
| auxiliary contacts maximum permissible | |
| Material of the conductor at contactor for auxiliary | CU |
| contacts | |
| Type of electrical connection at overload relay for | screw-type terminals |
| auxiliary contacts | |
| Tightening torque [lbf·in] at overload relay for | 7 10 lbf·in |
| auxiliary contacts | |
| Type of connectable conductor cross-sections at | 2 x (20 - 14 AWG) |
| overload relay at AWG conductors for auxiliary | |
| contacts single or multi-stranded | |
| Temperature of the conductor at overload relay for | 75 °C |
| auxiliary contacts maximum permissible | |
| Material of the conductor at overload relay for | CU |
| auxiliary contacts | |
| Short-circuit current rating | |
| Design of the fuse link for short-circuit protection of | 10kA@600V (Class H or K); 100kA@600V (Class R or J) |
| the main circuit required | |
| Design of the short-circuit trip | Thermal magnetic circuit breaker |
| Maximum short-circuit current breaking capacity (Icu) | |
| • at 240 V | 14 kA |
| • at 480 V | 10 kA |
| • at 600 V | 10 kA |
| | |

Further information

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUE32BA



| LETTER | KNOCKOUT & CONDUIT SIZE |
|--------|---|
| A | %%C22.2 FOR 12.7 CONDUIT |
| В | %%C22.2 X %%C28.6 FOR 12.7 & 19 CONDUIT |
| С | %%C28.6 X %%C34.9 FOR 19 & 25.4 CONDUIT |





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