Altech Corp.®
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# V-EA-Series - UL508 Manual Motor Controller - **3 pole E-Trip**

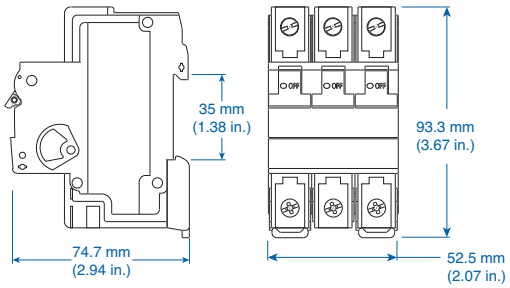
UL508 Listed
E137938



**Three Pole**

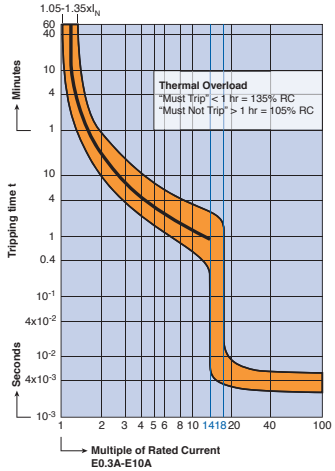
**Standard Pack:** 6

**Weight:**
0.3A - 32A
1.8kg (3.97 lb.)
40A - 63A
1.98kg (4.37 lb.)

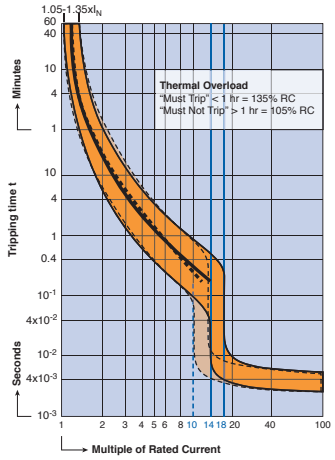



| Rated Current | Type/ Cat. No. | Approvals |
|---|---|---|
| 0.3A | **3E03UM** | UL CSA |
| 0.5A | **3E05UM** | UL CSA |
| 0.75A | **3E075UM** | UL CSA |
| 0.8A | NA | |
| 1.0A | **3E1UM** | UL CSA |
| 1.6A | **3E1.6UM** | UL CSA |
| 2.0A | **3E2UM** | UL CSA |
| 2.5A | **3E2.5UM** | UL CSA |
| 3.0A | **3E3UM** | UL CSA |
| 3.5A | **3E3.5UM** | UL CSA |
| 4.0A | **3E4UM** | UL CSA |
| 5.0A | **3E5UM** | UL CSA |
| 6.0A | **3E6UM** | UL CSA |
| 8.0A | **3E8UM** | UL CSA |
| 10A | **3E10UM** | UL CSA |
| 12A | **3E12UM** | UL CSA |
| 13A | **3E13UM** | UL CSA |
| 15A | **3E15UM** | UL CSA |
| 16A | **3E16UM** | UL CSA |
| 20A | **3E20UM** | UL CSA |
| 25A | **3E25UM** | UL CSA |
| 30A | **3E30UM** | UL CSA |
| 32A | **3E32UM** | UL CSA |
| 40A | **3E40UM** | UL CSA |
| 50A | **3E50UM** | UL CSA |
| 60A | **3E60UM** | UL CSA |
| 63A | **3E63UM** | |

**V-EA-E Trip**
**0.3A Through 10A Rated Current**




**V-EA-E Trip**
**12A Through 60A Rated Current**




| | |
|---|---|
| **Voltage Rating** | 480Y/277VAC<br>0.3-25A: 1 pole - 42VDC; 2 Pole - 80VDC<br>30-60A: 1 pole - 24VDC; 2 Pole - 60VDC |
| **Short Circuit Withstand Rating (UL/CSA - Ratings)** | 0.3-60A (RC): 10kA with UL-listed RK5 back-up fuse or MCCB |
| **Group Short Circuit Withstand Rating (UL/CSA - Ratings)** | 0.3-10A (RC): 10kA; 13-60A (RC): 5kA no branch circuit protection required |
| **Interrupting Capacity (VDE - Ratings)** | 0.3-63A (RC): 10kA |
| **Calibration Temperature** | 40°C (104°F) |
| **Operating Temperature** | -25°C to 55°C (-13°F to 131°F) |
| **Storage Temperature** | -40°C to 70°C (-40°F to 158°F) |
| **Terminal Size Acceptability** | Top: 18-3 AWG; Bottom: 18-2 AWG (Line/Load reversible) |
| **Terminal Torque** | 20 lb.in. |
| **Terminal Protection Degree** | IP20 |

## SHORT CIRCUIT WITHSTAND RATINGS FOR V-EA MANUAL MOTOR CONTROLLER

| Trip Curve | Backup Protection / Amp Range | UL-Listed RK5-Fuse up to 10kA | UL-Listed MCCB up to 10kA | No BCP Required up to: |
|---|---|---|---|---|
| all | 0.3 - 10A | 4xRC* min 15A, max 70A | 4xRC* min 15A, max 70A | 10kA |
| all | 12 - 30/32A | 4xRC* max 125A | 4xRC* max 125A | 5kA |
| all | 40 - 50A | 4xRC* max 200A | 4xRC* max 200A | 5kA |
| all | 60 / 63A | 4xRC* max 250A | 4xRC* max 250A | 5kA |

*up to nearest rated current

## Standard Dual Connection Terminal

*All parts are ring tongue compatible.*

