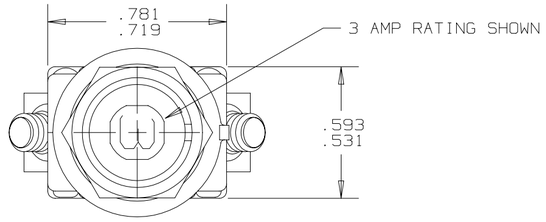
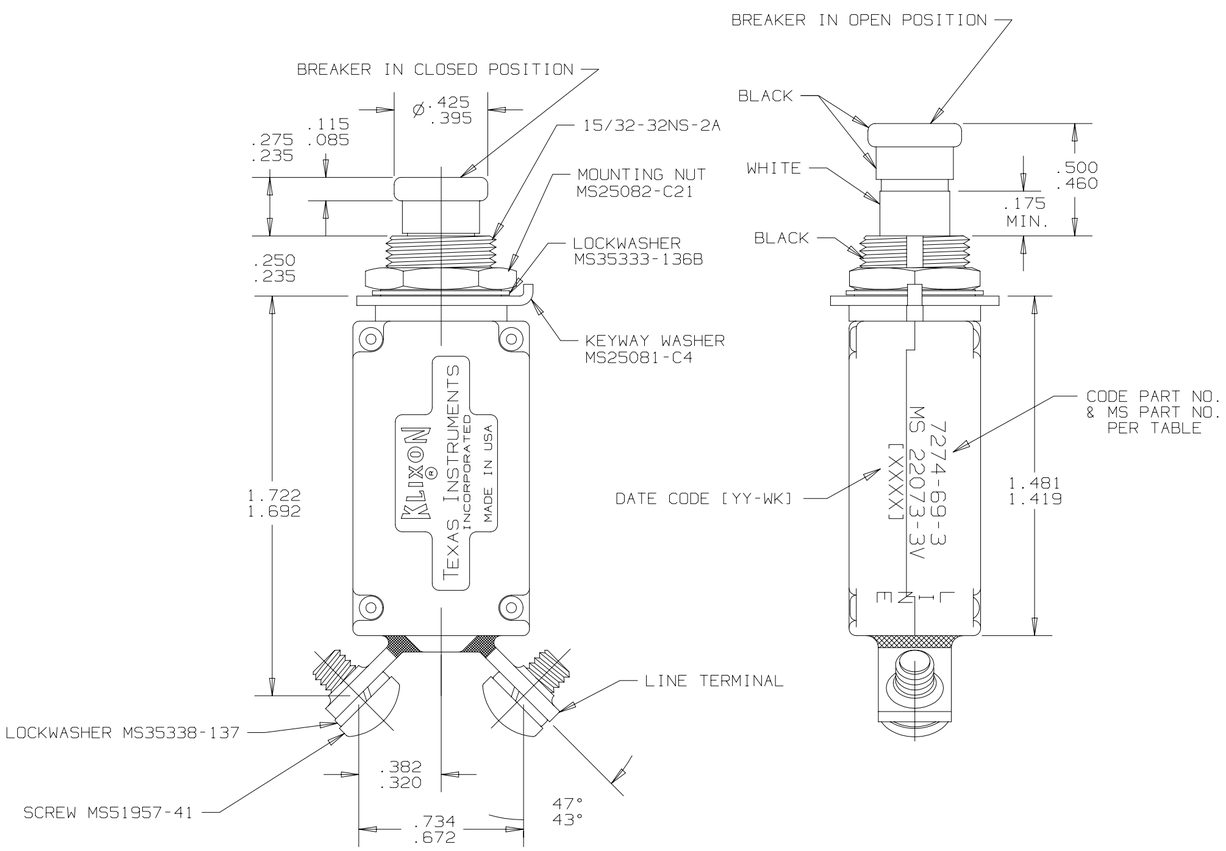
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| ZONE | LTR | DESCRIPTION | PROJ. | DATE | APPROVED |
| | C | ADDED PART NO. AND DATE CODE | CRM46903 JRB | 11-5-99 | K.H.S. |




## PERFORMANCE CHARACTERISTICS (DETAIL PERFORMANCE PER MIL-C-5809)

OVERLOAD CYCLING ---------- 100 CYCLES AT 200% RATING
SINUSOIDAL VIBRATION ------ 10 G'S 10-2000 HZ WITH 100% RATED LOAD
15 G'S 10-2000 HZ WITH NO LOAD
MECHANICAL SHOCK ---------- 50 G'S AT 11.0 MILLISECOND DURATION
ACCELERATION ---------- 10 G'S MINIMUM
SAND AND DUST ---------- 12 HOURS
CORROSION ---------- SALT SPRAY 48 HOURS
HUMIDITY ---------- 10 DAYS
EXPLOSION PROOF ---------- WHILE INTERRUPTING RUPTURE CURRENTS

MAXIMUM OPERATING ALTITUDE: 80,000 FT. (24,384 M)

WEIGHT: 33.0 GRAMS MAX.

MAXIMUM OPERATING FORCES:
PULL OUT ----- 5 LBS. MAX. (22.2 N)
RESET -------- 5 LBS. MAX. (22.2 N)

ENDURANCE:
120 VAC ---------- 400 HZ INDUCTIVE ------- 2500 CYCLES
120 VAC ---------- 400 HZ RESISTIVE ------- 5000 CYCLES
30 VDC ---------- INDUCTIVE ------- 2500 CYCLES
30 VDC ---------- RESISTIVE ------- 5000 CYCLES
NO LOAD ---------- MECHANICAL ------ 5000 CYCLES

CALIBRATION:

| AMBIENT TEMP. | HOLD | TRIP | 200% | 500% | 1000% |
|---|---|---|---|---|---|
| +25`C (+77`F) | 115% RATING | 150% RATING | 2-20 SEC. | .16-2 SEC. | .046-.8 SEC. |
| -55`C (-67`F) | 135% RATING | 180% RATING | -------- | -------- | -------- |
| +71`C (+160`F) | 90% RATING | 130% RATING | -------- | -------- | -------- |

| PART NO. | MS PART NO. | AMP RATING | MAXIMUM VOLTAGE DROP | CURRENT INTERRUPTING CAPACITY | |
|---|---|---|---|---|---|
| | | | | 120 VAC, 400 HZ | 28 VDC |
| 7274-69-1/2 | MS 22073-1/2V | 1/2 | 2.00 | UNLIMITED | UNLIMITED |
| 7274-69-3/4 | MS 22073-3/4V | 3/4 | 1.45 | UNLIMITED | UNLIMITED |
| 7274-69-1 | MS 22073-1V | 1 | 1.10 | UNLIMITED | UNLIMITED |
| 7274-69-1 1/2 | MS 22073-1 1/2V | 1 1/2 | 0.75 | UNLIMITED | UNLIMITED |
| 7274-69-2 | MS 22073-2V | 2 | 0.75 | 800 AMPS | UNLIMITED |
| 7274-69-2 1/2 | MS 22073-2 1/2V | 2 1/2 | 0.70 | 800 AMPS | UNLIMITED |
| 7274-69-3 | MS 22073-3V | 3 | 0.55 | 800 AMPS | UNLIMITED |
| 7274-69-4 | MS 22073-4V | 4 | 0.45 | 800 AMPS | UNLIMITED |
| 7274-69-5 | MS 22073-5V | 5 | 0.35 | 800 AMPS | UNLIMITED |
| 7274-69-7 1/2 | MS 22073-7 1/2V | 7 1/2 | 0.30 | 500 AMPS | 2000 AMPS |
| 7274-69-10 | MS 22073-10V | 10 | 0.28 | 500 AMPS | 2000 AMPS |
| 7274-69-15 | | 15 | 0.25 | 500 AMPS | 2000 AMPS |
| 7274-69-20 | | 20 | 0.25 | 500 AMPS | 800 AMPS |

NOTES:

1. ALL MOUNTING HARDWARE HAS A DULL BLACK FINISH.
2. CIRCUIT BREAKERS ARE SUITABLE FOR MOUNTING IN A 1/8" THICK PANEL OR LESS.
3. EPOXY SURFACES ARE NON-DIMENSIONED. ENVELOPE DIMENSIONS DO NOT APPLY TO THESE PROJECTED EPOXY SURFACES.
4. 1/2 THRU 10 AMP CIRCUIT BREAKERS ARE QUALIFIED TO MS 22073V.
5. DATE CODE PER 105288-285.

THIS DRAWING SUPERSEDES 7274-69 REV "B" DATED 12-22-94

Q3 P18

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCE ON FRACTIONS DECIMALS ANGLES

MATERIAL

| | | |
|---|---|---|
| DRAWN | TOM DAIL | 5-1-92 |
| ENGINEER | K.B. GASSER | 5-4-92 |
| APPROVED | D.R. PETRIE | 12-22-94 |
| APPROVED | | |

SIGNATURES ON FILE. REFER TO ELECTRONIC CHANGE NOTICE.

TEXAS INSTRUMENTS
ATTLEBORO, MASSACHUSETTS 02703

KLIXON®
CONTROL PRODUCTS DIVISION

TITLE
7274-69 STYLE CIRCUIT BREAKER
PUSH-PULL, TRIP FREE
ENVELOPE DRAWING

| SIZE | CODE IDENT NO. | |
|---|---|---|
| C | 82647 | 7274-69 |