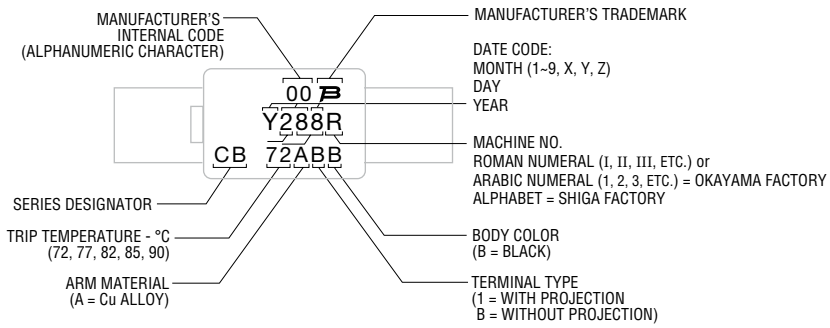
Wiring Recommendations

This is not a surface mount device for reflow soldering. Therefore, Ni tab wiring should be accomplished by either resistance or laser welding. Solder connections should be avoided.

Typical Part Marking



Standard Packaging Specifications

Plastic Bag.....1,000 pcs. (fixed)
Inner Box.....3,000 pcs. (fixed)
Outer Box.....30,000 pcs. max. (up to 10 inner boxes)

Application Temperature Range

.....-30 ~ 100 °C

Environmental Specifications

Moisture Sensitivity Level..... 1
ESD Classification (HBM).....3B

Storage Conditions

1) The breaker must be stored in the original packaging (plastic bag or carton) with the following conditions: ambient temperature of -10 to +40 °C, RH <75 % with no radical temperature change, direct sunshine, excessive vibration or shock.

2) Avoid storage locations where there is a possibility of generating corrosive gas such as from salt breeze, chlorine, hudrogen sulfide, ammonium, sulfide-oxidation, hydrogen chloride, acetate, etc.

3) Storage period should be no longer than 24 months from date of shipment.

BOURNS®

Asia-Pacific: Tel: +81 6 6319 2281 • Email: asiacus@bourns.com
EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com
The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Caution when using Breaker

Before using the breaker, please fully read the *DESIGN AND HANDLING CAUTIONS* stated below to avoid breaker performance deterioration and/or damage to the breaker body or terminal.

DESIGN CAUTIONS

1. Use within the electrical ratings specified in this data sheet. If used over the rating of voltage or current, ON-OFF life might be impacted and contact may deteriorate due to breaker arm damage.
2. If used over the maximum electrical rating specified in this data sheet, the circuit may not open safely or operate properly. Please test your device for any abnormalities and confirm that the breaker will open the circuit safely in your device. Any use over the maximum electrical rating is at the sole risk of the user.
3. Mount the breaker on your device where heat is the highest in order to transfer it effectively to the breaker.
4. If the breaker is affixed with an adhesive (resin, etc.), before proceeding, fully test, evaluate and verify that the adhesive presents no negative effects on the breaker before proceeding.
5. After the breaker is mounted, affix it so that the breaker body and terminals will not move. If not affixed properly, breaker resistance could increase or contact could open due to stress during handling or vibration/shock during transportation.
6. If breaker is to be resin-molded, test and evaluate the application to determine whether the breaker can be used effectively.
7. The breaker cannot be used as a repetitive ON-OFF thermostat.
8. The breaker is not washable. Do not wash.
9. Do not let a solder iron touch the breaker body.
10. Do not attach solder to the breaker body.
11. When mounting and after mounting the breaker, do not apply supersonic vibration. Vibration and heat may cause breaker resistance to increase or may cause body damage. If you plan to apply supersonic vibration after mounting the breaker, you will need to evaluate whether the breaker is suitable for your specific application. The breaker is not designed or warranted to withstand supersonic vibration.
12. Do not use the breaker in the following environments:
    a) Water, oil, chemical or organic solutions
    b) Direct sunlight, outdoor exposure, dust
    c) Dew condensation, where the breaker could get wet
    d) Salt breeze, chlorine, hydrogen sulfide, ammonium, sulfide-oxidation, hydrogen chloride, acetate and anywhere there is a possibility of generating corrosive gas such as sulfurous acid gas
    e) Strong static electric charge or electromagnetic wave
13. The breaker is not designed or tested for, and should not be used in, aerospace, airplane, nuclear, military, life-saving, life-critical or life-sustaining medical and other related applications where failure or malfunction may result in personal injury, death or severe property or environmental damage.

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