Precautions for use of Tactile switch products

- (1) When adopting the product for mass production, please exchange formal specifications with us.
- (2) Do not reverse-engineer the product including disassemble or analyze without our approval.
- (3) Please make sure to notify us in advance if you consider using the product for in-vehicle applications. Please use the product for in-vehicle applications within the scope of the specification. We will not guarantee damages you incurred by using the product for applications beyond the scope of the specification.
- (4) The product is not designed or manufactured to be used for special application (e.g. trains, ships, airplanes, spaceships, submarine repeaters, atomic energy control systems, traffic equipment, combustion equipment, medical devices, and safety devices). We will not guarantee any application suitability for goods like those described above that require special quality and reliability. In cases where the product is used in special applications and it causes extensive property damage, threatens human life or damages the human body, we will not be held liable.
- (5) When designing as a set where safety is important, make sure to consider the impact that a malfunction of a single switch has on the whole set, and ensure safety with a failsafe design such as using a protection circuit or a protection device.
- (6) The specification and appearance of the product may change without notice for improvement, etc.
- (7) This technical information and data is provided for users as is, and we do not guarantee that it is free from errors or defect in technical information and data, or this technical information and data conform to special applications, or this technical information and data does not infringe any rights of the user or third parties other than the user, or any other contents (including changes in contents for improvement of the specification and appearance of the product) thereof.

上面押しモールドタイプ Top-press mold type



特徴 Features

- 1. 小型・薄型、高フィーリング Compact and thin, high sensitivity
- 2. 防水構造・リフロー半田対応 Waterproof, Reflow soldering

用途 Applications

・カーオーディオ機器

Car audio devices

Various AV devices ・キーレスエントリー Keyless entry device

·各種AV機器











製品コード Product code



電気的・機械的特性 Electrical and Mechanical Characteristics

(Ta 25°C) 項目 Item 仕 様 **Specifications** DC12V 20mA 最大定格 DC12V 20mA Maximum rating 接触抵抗 Contact resistance 500m Ω以下 $500 \text{m}\,\Omega$ or less 100M Ω以上 絶縁抵抗 Insulation resistance $100M\Omega$ or more 耐電圧 Withstanding voltage AC250V 1分間 AC250V for one minute バウンス Bounce 20ms以下 20ms or less ストローク Stroke 0.2mm 0.2mm 操作荷重 Operating force 1.7N,3.3N,5.0N 1.7N 3.3N 5.0N 0.1N or more 復帰力 Return force 0.1N以上 100.000 動作寿命 Operating life 10万回

外形寸法図 Outline drawing

単位:mm Unit:mm





