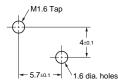
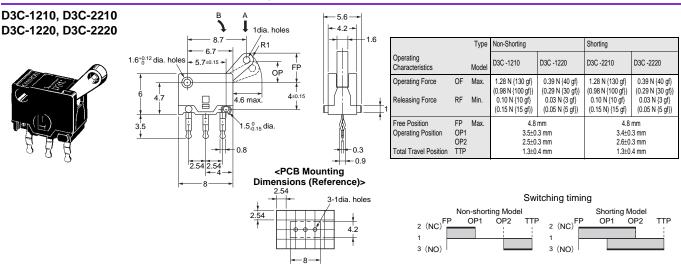
Mounting Holes (Unit: mm)



Dimensions (Unit: mm) and Operating Characteristics



Note 1. Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

Note 2. The values for operating characteristics apply for operation in the A direction (straight line), and the values in parentheses indicate those for operation in the B (rotary) direction for reference.

Precautions

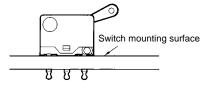
★Please refer to "Common Precautions" for correct use.

Cautions

Soldering

For soldering time, we recommend to solder within 3 s at a soldering iron temperature of under 350°C. Soldering at a temperature exceeding 350°C, soldering for more than 3 s, or repeated soldering will degrade the Switch characteristics. Make sure that flux and liquid surface of the solder does not flow over the edge of the board when soldering. Please complete soldering at a temperature of 260°C within 5 s.

It is also recommended that you apply flux guard to the mounting surface of the Switch.



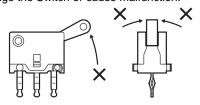
Correct Use

Mounting

Use M1.6 mounting screw with plane washers or spring washers to securely mount the Switch. Tighten the screws to a torque of 4.9 to $9.8 \times 10^{-2} \, N \cdot m$ {0.5 to 1 kgf·cm}.

●Application of Operation Force to the Lever

Do not apply loads from any other directions other than operating direction of the lever as shown in the following figure. It may damage the Switch or cause malfunction.



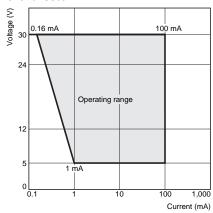
Mounting Plate

Use materials other than ABS or polycarbonate for the mounting plate. Since grease is used for the Switch, it may cause cracks if grease from the Switch comes in contact with such materials.

Using Micro Loads

Use models that operate in the following range. However, even when using micro load models within the following operating range, if inrush current occurs when the contact is opened or closed, it may increase the contact wear and so decrease durability. Therefore, insert a contact protection circuit where necessary. The N-level reference value applies for the minimum applicable load. This value indicates the malfunction reference level for the reliability level of 60% (λ 60). (JIS C5003)

The equation, λ_{60} =0.5x10-6/operation indicates that the estimated malfunction rate is less than $\frac{1}{2,000,000}$ operations with a reliability level of 60%.



Note: Do not use this document to operate the Unit.

OMRON Corporation

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Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.