

OMRON

MODEL S8T-DCBU-01 DC BACKUP BLOCK

EN INSTRUCTION MANUAL

Thank you for purchasing this OMRON product. Before operating the product, read this manual thoroughly to acquire sufficient knowledge of the product to use it safely and correctly.

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CAUTION

- CAUTION: FOR USE IN A CONTROLLED ENVIRONMENT. REFER TO MANUAL FOR ENVIRONMENTAL CONDITIONS.

Key to Warning Symbols

- WARNING: Indicates information that, if not followed, could result in death or serious injury. CAUTION: Indicates information that, if not followed, could result in relatively serious or minor injury, property damage, or faulty operation.

WARNING

- Application: Do not use for the devices which may cause serious influence on the public and society, or for the application such as the medical equipment which may cause death or injury.

CAUTION

- Application: This product is designed considering an application, which is always with power-ON and with backup operation for short-time power failure. When the AC power is turned OFF or several-hour power failure occurs, follow the instruction described in "Overdischarge of the battery".

CAUTION

- Do not use the backup system in a place where corrosive gases may present. If stored or used under presence of any corrosive gas, the contact surfaces of a relay or a switch are corroded resulting unstable or faulty contact and charging of battery or backup operation may not be possible.

CAUTION

- Be careful during installation of the battery or battery holder or replacement of the battery to avoid dropping the battery. A dropping battery may cause injuries and burns caused by leaking electrolyte.

Precautions for Safe Use

- Installing/Storage Environment: 1. Store the product with ambient temperatures -25 to +65°C, and relative humidity 25 to 90%.

Table with 2 columns: Overcurrent protection operating point selector, Number of connected units, Recommended wire diameter.

Table with 2 columns: Fuse rating, Wire diameter.

- Do not press down the terminal block or connector terminal at more than 100N force when tightening the terminal screws.

Suitability for Use

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of the products in the customer's application or use of the product.

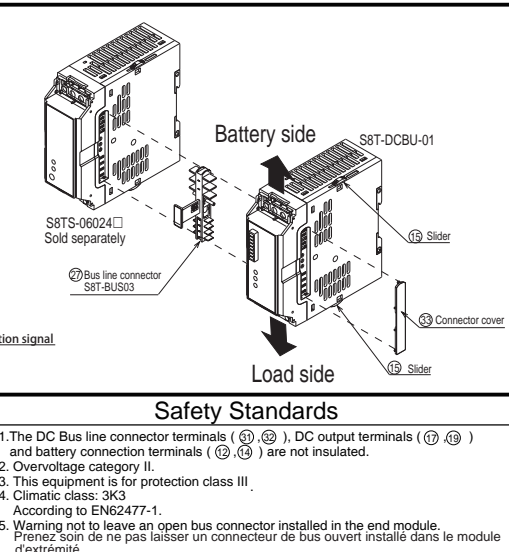
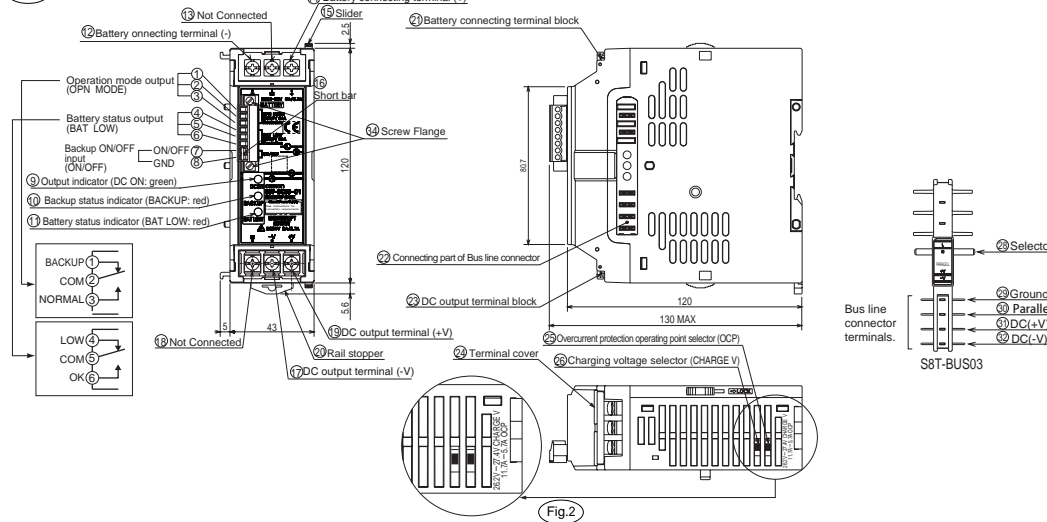
According to UL508

- Ambient temperature (Surrounding Air Temperature) for operation in compliance with UL508 Listing: 60°C.

Safety Standards

- The DC Bus line connector terminals (), DC output terminals () and battery connection terminals () are not insulated.

Fig. 1 Nomenclature and dimensions



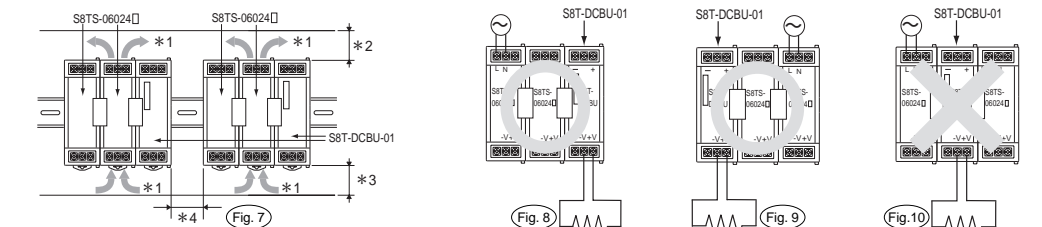
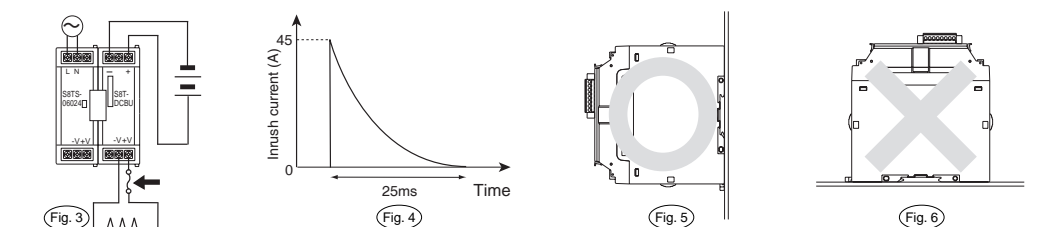
Precautions for Correct Use

- Mounting: Standard mounting, Back down mounting, Other mounting. Mounting Space: 1. Direction of air circulation, 2. 75 (mm) or more, 3. 75 (mm) or more, 4. 10 (mm) or more.

- Overdischarge of the battery: The battery discharges under the following conditions (1) through (3). WHEN THE BATTERY DISCHARGES EXCESSIVELY, ITS LIFE IS EXTREMELY SHORTENED OR BACKUP OPERATION BECOMES IMPOSSIBLE DUE TO NON-RECHARGING.

Table 1: Application with possible overdischarge due to standby current. Columns: Ambient temperature, Load current, Approximate period that disables recharging.

- Battery Replacement: The lead battery deteriorates. Replace the battery while referring to the following replacement period as a reference.



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