

引外し素子なし
コンパクトESPARシリーズ
取扱説明書
INSTRUCTION MANUAL OF
NO TRIP TYPE

機種形式 (MCCB TYPE)

SH2000G-S
SH2500G-S

お読みなさい。配線用遮断器ではありますまい。短絡及び過電流に対する保護はできません。
保護としてご使用下さい。

The product is not a molded case circuit breaker. Therefore this product does not provide protection against short circuit and overcurrent.

お読みなさい。本説明書では機器に必要な方の手順及び方法を記載して下さい。本説明書に述べてない方の機器、
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Please read this manual for future reference. The Manufacturer assumes no responsibility for damages resulting from non-application or incorrect application of the instructions provided herein.

東芝産業機器システム株式会社

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■ その他の注意

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- ・本商品を廃棄するときは、廃棄物規則として処理してください。

1. Safety Notices

Be sure to read these instructions and other associated documents accompanying the product thoroughly to be familiarize yourself with the product handling, safety information, and all other precautions before mounting, using, servicing, or inspecting the product. In these instructions, safety notices are divided into "Warning" and "Caution" according to the hazard level.

■ Warning : A warning notice with this symbol indicates that neglecting the suggested procedure or practice could result in fatal or serious personal injury.

■ Caution : A caution notice with this symbol indicates that neglecting the suggested procedure or practice could result in moderate or slight personal injury and/or property damage. Note that failing to observe **■ Caution** notices could result in serious results in some cases. Because safety notices contain important information, be sure to read and observe them.

■Mounting Precautions

(For detailed mounting dimensions, refer to the catalogue.)

Caution

- ・Electrical work should only be undertaken by suitably qualified persons.
- ・Do not place the product in an area that is subject to high temperature, high humidity, excessive dust, salt, corrosive gas, strong vibration and shock, or other unusual conditions. Mounting in such areas could cause a fire or malfunction.
- ・Be careful to prevent foreign objects (debris, concrete powder, iron powder, etc.) and moisture from entering product. These materials inside the product could cause a fire or malfunction.
- ・Prior to commencing any work on the product, open an upstream circuit breaker or isolator to ensure that no voltage is applied to the product. Otherwise, electrical shock may result.
- ・When connecting cable or busbar to the product, tighten terminal screws to the torque specified in this manual. Otherwise, a fire could result.
- ・Even when tightening the terminal screws and after conductor connection, do not apply excessive force to the terminals. Otherwise, a fire may result.
- ・For front-connected breakers, insulate all bare conductors of the line side until the breaker end. If interphase barriers are packed, be sure to use the barriers; moreover, insulate all bare conductors by insulating tape or the like so that the tape overlaps with the barriers. Insufficient insulation may result in short-circuit.

1. 安全上の注意

施工、使用、保守、点検の際に必ず本書とその他の付属説明書をお読み頂き、機器の知識、安全の確認及び注意事項の全てに留意してからお取扱い下さい。この取扱説明書では、安全注意事項のランク別に注意事項を記載して区分してあります。
【危険】: 危険を認識した場合に、危険な状況が起りえて、死に至るか重傷を受ける可能性がある場合。
【注意】: 危険を認識した場合に、危険な状況が起りえて、中程度の傷害や軽傷を受ける可能性がある場合。
なお、【注意】に記載した事項でも、状況によっては重大な結果に繋がつく場合があります。いずれも重要な内容ですので必ず見て下さい。

■施工上の注意 (施工に必要な各部の詳細寸法は生カタログを参照して下さい。)

■ 注意

- ・電気工事は、資格者(電気工事士)が行って下さい。
- ・高溫・多湿、過度の塵埃・腐食性ガス、震動、衝撃など異常環境に設置しないで下さい。火災の原因となったり、正常に動作しないおそれがあります。
- ・ゴムコンクリート板、鉄板などの異物及び雨滴などがスイッチディスク内面に入らないように施工して下さい。火災の原因となったり、不動作のおそれがあります。
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- ・電子部品は標準仕様トルクで締め付けて下さい。火災の原因となります。
- ・電子部品の締め付け扭矩及び締め付け電子部品に無理な力が加わらないようにして下さい。電子部品への過大な力は、電子部品の故障原因となります。
- ・断路器フレーク端子側の締め付け扭矩は、フレーク端子まで全て締め付けて下さい。電子ハーフラグが回転されている場合は必ず逆時計回転で電子ハーフラグを回らませて締め付けて下さい。不十分な締め付け電源端子が電源端子から離れていたり、

■使用上の注意

■ 注意

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■保守・点検上の注意

■ 注意

- ・保守・点検は、専門知識を有する人で行って下さい。
- ・保守・点検は、上位フレークなどをOFF(OFF)にし、充電していないことを確認して行って下さい。過電流の恐れがあります。
- ・電子部品は標準仕様トルクで締め付けて下さい。火災の原因となります。

■ Handling Precautions

■ Warning

- Never touch terminals. Otherwise, electric shock may result.

■ Maintenance Precautions

■ Caution

- Service and/or inspection of the product must be done by persons having expert knowledge.
- Before servicing or inspecting the product, open an upstream circuit breaker or the like to isolate all sources of power. Otherwise, electric shock may result.
- Regularly check that the breaker terminal screws are tightened to torque values shown within this manual. Failure to do so may result in fire.

■ Other Precautions

- Do not carry this product by accessory leads, as this may cause damage to the product.
- Unauthorized opening of the breaker cover will invalidate product warranty.
- When installing the product, use wires or conductors, the cross sectional areas of which accommodate the rated current of the product. Using wires or conductors with inadequate cross sectional areas may cause false tripping and overheat.
- When the device is to be disposed of, it should be handled as an industrial waste.

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Fred Beisse

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