To All Customers



Rep No. B20044a

June 11, 2021

Fuji Electric FA Components

& Systems Co., Ltd.

G-TWIN & G-TWIN Λ Series Molded Case Circuit Breakers and Earth Leakage Circuit Breakers

Notification regarding Change in Terminal Nameplate and Instruction Manual for 50 to 800 AF (UL Certified) Products

We would like to thank you for your continued patronage of Fuji products.

We will be changing some products as described below.

Please review the following information and take appropriate actions.

Please also inform all related sections of your company of these changes.

| Product name | Molded case circuit breakers and earth leakage circuit breakers |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series name | G-TWIN Series (UL Certified Products) (Including products with special specifications) |
| Туре | BW50RAGU, BW50RBGU, BW50RBGUQ, BW100EAGU, BW125JAGU, BW125RAGU, BW250EAGU, BW250JAGU, BW250RAGU, BW400EAGU, BW400RAGU, BW400RAGU, BW400RAGU, BW630RAGU, BW630RAGU, BW630HAGU, BW800RAGU, BW800HAGU, EW50RAGU, EW50RBGUQ, EW100EAGU, EW125JAGU, EW125RAGU, EW250JAGU, EW250RAGU, EW400RAGU, EW400RAGU, EW400RAGU, EW630RAGU Optional parts: BW9S0CA-3*, BW9SS0CA-3*, BW9S0GA-3*, BZ-S50B-2253* (For UL) *Including products with special specifications. |
| Changed parts | Terminal nameplate and instruction manual |
| Details of the change | We will be changing the terminal nameplate descriptions and layout. We will also be changing the content of the instruction manual. *For details, refer to the attachments "Change in G-TWIN Series (UL Certified Product) Terminal Nameplate" and "Change in G-TWIN Series (UL Certified Product) Instruction Manual". |
| Reason for the changes | To expand the number of applicable crimp terminal manufacturers. To make changes according to the revised UL standards. |
| Date of the production change | Scheduled for products to be produced from September 2021 |
| Attachment | Attachment (1): "Change in G-TWIN Series (UL Certified Product) Terminal Nameplate" Attachment (2): "Change in G-TWIN Series (UL Certified Product) Instruction Manual" |
| Notes concerning the changes | This change will not affect product performance. |
| | |
| | |
| | |

Change in G-TWIN Series (UL Certified Product) Terminal Nameplate 1/2

[Details of the change]

- (1) The name of the crimp terminal manufacturer (Panduit Corp., ABB Installation Products Inc.) will be added.
- (2) The crimp terminal model will be removed.
- (3) "Use Listed crimp ring-type terminals rated for wire size. Must use crimping tool specifid for terminal." will be added as an instruction to be observed when using the crimp terminal.
- (4) "Use Any Two Poles for Single Phase Applications" will be added as an instruction to be observed during single-phase use.



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| Туре | Details of the change | Nameplate and printing position | Conventional product | Changed product | | | |
|------------------------------------------------|----------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | | Printing example: BW50RBGU-3P Printing location | Printing example: BW50RBGU-3P Crimp terminals | Printing example: BW50RBGU-3P Crimp terminals Japan solderless terminal Mfg. Nichifu terminal Ind. Use Any Two poles for Single Phase Applications 75°C Cu Wire only | | | |
| BW50RAGU BW100EAGU EW50RAGU EW100EAGU | Change (1), (2), and (3) (*3) | Printing example: BW100EAGU-3P Nameplate location | Printing example: BW100EAGU-3P Use Any Two Poles for Single Phase Applications Type of Connector Japan solderless terminal Mfg. Nichifu terminal Ind. Daido solderless terminal Mfg. Cat. #: 14-8,14-88,14-8NS,R14-8,R14-8S 22-8,22-88,R22-8,R22-8S,CB22-88 CB22-8S,38-S8,R38-8S | Printing example: BW100EAGU-3P Crimp terminals Use Any Two Poles for Single Phase Applications Manufacturer's name Japan solderless terminal Mfg. Nichifu terminal Ind. Daido solderless terminal Mfg. ABB Installation Products Inc. Panduit Corp. Use Listed crimp ring-type terminals rated for wire size. Must use crimping tool specified for terminal. Flat terminal BZ-SU25B | | | |

- *1 BW50RBGU and EW50RBGU are applicable.
- *2 Only 3-pole products are applicable.
- *3 Excluding SB connection.

Change in G-TWIN Series (UL Certified Product) Terminal Nameplate 2/2

[Details of the change]

- (1) The name of the crimp terminal manufacturer (Panduit Corp., ABB Installation Products Inc.) will be added.
- (2) The crimp terminal model will be removed.
- (3) "Use Listed crimp ring-type terminals rated for wire size. Must use crimping tool specifid for terminal." will be added as an instruction to be observed when using the crimp terminal.
- (4) "Use Any Two Poles for Single Phase Applications" will be added as an instruction to be observed during single-phase use.



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| Туре | Details of the change | Nameplate and printing position | Conventional product | Changed product | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| BW125JAGU BW125RAGU BW250EAGU BW250JAGU BW250RAGU EW125JAGU EW125RAGU EW250JAGU EW250JAGU | Change (1), (2), and (3) (*4) Change (4) (*2) | Printing example: BW250RAGU-3P Nameplate location | Printing example: BW250RAGU-3P Crimp terminals Japan solderless terminal Mfg. Nichifu terminal Ind. Daido solderless terminal Mfg. Cat. #: R22-8, R22-8s, 22-8s, 22-8, R22-8, CB22-8s, CB22-8s, CB22-8, 38-S8, R38-85, R38-8, 38-8, 60-S8, R60-8, 60-8, CB60-8, CB60-8S, 70-8, R70-8, CB80-S8, CB80-8, CB100-S8, CB150-S8, CB150-S8 Wire connector 60/75°C wire Cu only 4AWG - 250MCM Torque value 93Lb-in, 10.5N-m 50865855a | Crimp terminals Japan solderless terminal Mfg. Nichtiguterminal Ind. Daido soiderless terminal Mfg. Panduit Corp. ABB Installation Products Inc. Use Listed crimp ring-type terminals rated for wire size. Must use crimping tool specified for terminal. Use Any Two Poles for Single Phase Applications. Wire connector 60/75 © wire Cu only 4AWG-250MCM Torque value 93Lb-in, 10.5N-m 50866125 | | | |
| BW400EAGU BW400SAGU BW400RAGU BW400HAGU BW630RAGU BW630HAGU BW800HAGU EW400SAGU EW400RAGU EW400HAGU EW400HAGU | Change (1), (2), and (3) (*5) Change (4) (*2) | Printing example: BW400RAGU-3P Nameplate location | Printing example: BW400RAGU-3P Crimp terminals Japan solderless terminal Mfg. Nichifu terminal Ind. Cat. #: 150-12, 180-12, 200-12, 325-12, R80-12 R150-12, R180-12, R200-12, R325-12N Wire connector 60/75°C wire Cu only 3/0 - 500MCM Torque value 375Lb-in, 43.5N-m △ Caut i on Be sure to install the interphase barriers. Don't remove the terminal from this breaker when connected with crimp terminal. 50565705b | Printing example: BW400RAGU-3P Crimp terminals Japan solderless terminal Mfo. Nichifu terminal Ind Panduit Corp. ABB Installation Products Inc. Use Listed crimp ring-type terminals rated for wire size. Must use crimping tool specified for terminal. Use Any Two Poles for Single Phase Applications. Wire connector 60/75 € wire €u only 3/0-500MCM Caution Be sure to install the interphase barriers. Don't remove the terminal from this breaker when connected with crimp terminal. 50566065 | | | |

- *2 Only 3-pole products are applicable.
- *4 Excluding SF, SB, S7, S8 connection.
- *5 Excluding SB connection and BW800 ☐ AGU-3P800.



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[Details of the Change]

(1) Panduit and ABB will be added as compatible crimp terminal manufacturers to the wire size and tightening torque table

*Example for BW125 and EW125 Before change

表3 電線サイズと移行トルク Table 3 Connectable wire size and tightening torque 表3 连接电线的尺寸和紧固扭矩

| ブレーカの形式 Breaker type 断路器的型号 | 定格電流 Rated Current 额定电流 | 神体帯的サイブ | | 端子と圧着工具 Applicab | 締付トルク Tightenin | torque 紧固扭矩 | | | | |
|-------------------------------------|----------------------------------|----------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------|--------------------------|-------------------------------------------------------|-------------------------------------|----------------------|
| | | 接続艦線サイス Wire size | JST (UL | File No.E42024) | NICHIFU (UL File No.E44245) | | DST (UL File No.E74917) | | ねじ端子・平形端子 | ブロック端子 |
| | | 连接电线尺寸 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | Screw/flat terminal 螺钉端子·平型端子 | Lug terminal 滑块端子 |
| | 15A | 14 AWG (2.1mm ²) | R2-8 | YHT-2210,YA-1 YA-2,YAT-1A YAT-2A,YAD-1A | R2-8 | NH1,NH9 NH61 | 2-8 2-B8 | MINI12 5N18,214A DH-1B,AC-5ND REC-14A | | 50 lbin. (5.8N-m) |
| | 20A | 12 AWG (3.3mm ²) | 5.5-S8 | YAD-2A,YA-4 YAT-4A,YAD-4A BCT-0514 | R3.5-8 R5.5-8 | NH1.NH9 | 3.5-8 5.5-8 | 5N18,214A DH-1B AC-5NC REC-14A | | |
| | 30A | 10 AWG (5.3mm ²) | R5.5-8 | | R5.5-8 | 1417,415 | 5.5-8 | | | |
| | 32A | 8 AWG (8.4mm ²) | | YHT-8S,YA-4 YA-5,YAT-4A YAD-4A,YPT-60-21 YPT-150-1,BCT-0514 BCT-860,BCT8150 YF-1,E-4,YET-60-1 YET-150-1 YA-4,YA-5,YAT-4A YAD-4A,YPT-60-21 YPT-150-1,BCT-0514 BCT860,BCT8150 YF-1,E-4,YET-60-1 YET-150-1 | R8-8 | NH1,NH9 NOP60 NOM60 | 8-8 | 5N18,214A REC-14A | | |
| | 40A | 8 AWG (8.4mm ²) | 8-8NS R8-8 | | | | | | | |
| BW125JAGU | 50A | 8 AWG (8.4mm ²) | 110-0 | | | | | | | |
| BW125RAGU EW125JAGU EW125RAGU | 60A | 6 AWG (13.3mm ²) | 14-8NS 14-S8 R14-8 | | R14-8S R14-8 | NH9,NOP60 NOM60 NOP150H NOM150 | 14-S8 14-8 | 214A,9H-60 9H-150 REC-14A REC-60F REC-150 | 50 lbin. (5.8N·m) | |
| | 70A | 4 AWG (21.1mm ²) | | YA-5,YPT-60-21 YPT-150-1 BCT-860 BCT-8150 YF-1,E-4 YET-60-1 | R22-8S R22-8 CB22-8S | NOP60,NOM60 NOP150H NOM150 | 22-S8 22-8 CB22-8 | | | |
| | 75A | 4 AWG (21.1mm ²) | 22-S8 R22-8 | | | | | 9H-60 9H-150 | | |
| | 80A | 4 AWG (21.1mm ²) | CB22-S8 | | 0022-03 | | | | | |
| | 90A | 3 AWG (26.7mm ²) | | | | | | REC-60F REC-150 | | |
| | 100A | 3 AWG (26.7mm ²) | 38-S8 | YET-150-1 | R38-8S | | | | | |
| | 125A | 1 AWG (42.4mm ²) | | | | | | | | |

After change

表3 電線サイズと終付トルク Table 3 Connectable wire size and tightening torque 表3 连接电线的尺寸和紧固扭矩

| ブレーカの形式 Breaker type | 定格電流 Rated | 接続電線サイズ | 適合圧蓄端子と圧蓄工具 Applicable crimp terminals and tools 适合的压接端子和压接工具 *2 | | | | | | | | | 締付トルク Tightening torque | | |
|--------------------------------------------------|---------------|---------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------|--------------------------|----------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------|--------------------------------------------------------|------------------------------------------|
| 断路器的型号 Current | Wire size | JST (UL File No.E42024) | | NICHIFU (UL File No.E44245) | | DST (UL File No.E74917) | | Panduit (UL File No.E52164) | | ABB (UL File No.E9809) | | Solution C | | |
| | 额定电流 | 连接电线 尺寸 *1 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 圧接工具 | 圧着端子 Terminal 压接端子 | 圧着工具 Tool 压接工具 | ねじ端子 平形端子 Screw/flat terminal 螺钉端子 平型端子 | ブロック第子 Screw/flat terminal 滑块端子 |
| - | 15A | 14 AWG (2.1mm²) | R2-8 | YHT-2210 YA-1, YA-2 YAT-1A, YAT-2A YAD-1A, YAD-2A YA-4 YAT-4A, YAD-4A BCT-0514L | R2-8 | NH1 NH9 NH61 | 2-8 2-B8 | MINI 12 5N18 214A DH-1B AC-5ND REC-14A | P14-56R-C LCA10-56-L | For LCA10-56-L CT-1570 For Others CT-100A CT-200 CT-600-A CT-1570 CT-2500 CT-160 CT-260 | B4-516 | TBM6S | | 50 lbin. (5.8 N ·m) |
| | 20A | 12 AWG (3.3mm') | 5.5-S8 B5.5-8 | | R3.5-8 R5.5-8 | NH1 NH9 | 3.5-8 5.5-8 | 5N18, 214A DH-1B | P10-56R-L LCA10-56-L | | C10-516 | ERG2002 ERG4002 | 1 | |
| | 30A | 10 AWG (5.3mm²) | NO.3-0 | | R5.5-8 | NH9 | 5.5-8 | AC-5NC REC-14A | LCA10-56-L | | | ERG4005 | | |
| BW125JAGU BW125RAGU EW125JAGU EW125JAGU | 32A | 8 AWG (8.4mm') | 8-8NS R8-8 | YHT-8S, YA-4, YA-5 YAT-4A, YAD-4A YPT-60-21, YPT-150-1 BCT-0514L, BCT-860L BCT-8150L, YF-1, E-4 YET-60-1, YET-150-1 | R8-8 | NH1 NH9 NOP60 NOM60 | 8-8 | 5N18 214A REC-14A | P8-56R-Q LCA8-56-L | For P8-56R-Q CT-1701 CT-2600 For Others CT-1700 | D8-516 D10721 | For D10721 ERG4005 | | |
| | 40A | 8 AWG (8.4mm²) | | | | | | | | | ER For TB | ERG4008 For Others TBM6S WT115A | | |
| | 50A | 8 AWG (8.4mm²) | | | | | | | | | | | | |
| | 60A | 6 AWG (13.3mm ¹) | 14-8NS 14-S8 R14-8 | YA-4, YA-5, YAT-4A YAD-4A, YPT-60-21 YPT-150-1, BCT-0514L BCT-860L, BCT-8150L YF-1, E-4, YET-60-1 YET-150-1 | R14-8S R14-8 | NH9 NOP60 NOM60 NOP150H NOM150 | 14-S8 14-8 | 214A 9H-60 9H-150 REC-14A REC-60F REC-150 | P6-56R-E | CT-1701 | E6-516 | | | |
| | 70A | 4 AWG (21.1mm²) | 22-S8 R22-8 | YA-5 YPT-60-21 YPT-150-1 BCT-880L BCT-8150L YF-1 | R22-8 CB22-8S | NOP60 NOM60 NOP150H NOM150 | 22-S8 22-8 | 9H-60 9H-150 | LCA4-56-L S4-56R-E | | F4-516 | | | |
| | 75A | 4 AWG (21.1mm²) | CB22-S8 | | | | CB22-8 | REC-60F REC-150 | REC-60F | | | | | |
| | 80A | 4 AWG (21.1mm²) | | | | | | | | | | | | |
| | 90A | 3 AWG (26.7mm²) | 38-S8 | | | | | | LCA2-56-Q | | | | | |
| | 100A | 3 AWG (26.7mm') | | | | | | | | | | | | |
| | 125A | 1 AWG (42.4mm²) | | | | | | | | | | | i | |